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PLASMA TV

SERVICE MANUAL

CHASSIS : RF-043A

MODEL : RU-42PX10/C RU-42PX11/H

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by Δ in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **Isolation Transformer** should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by its Neck.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

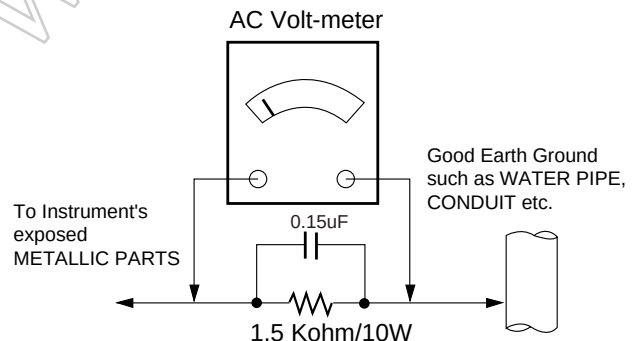
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



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Digital TV Hotline 1-800-243-0000

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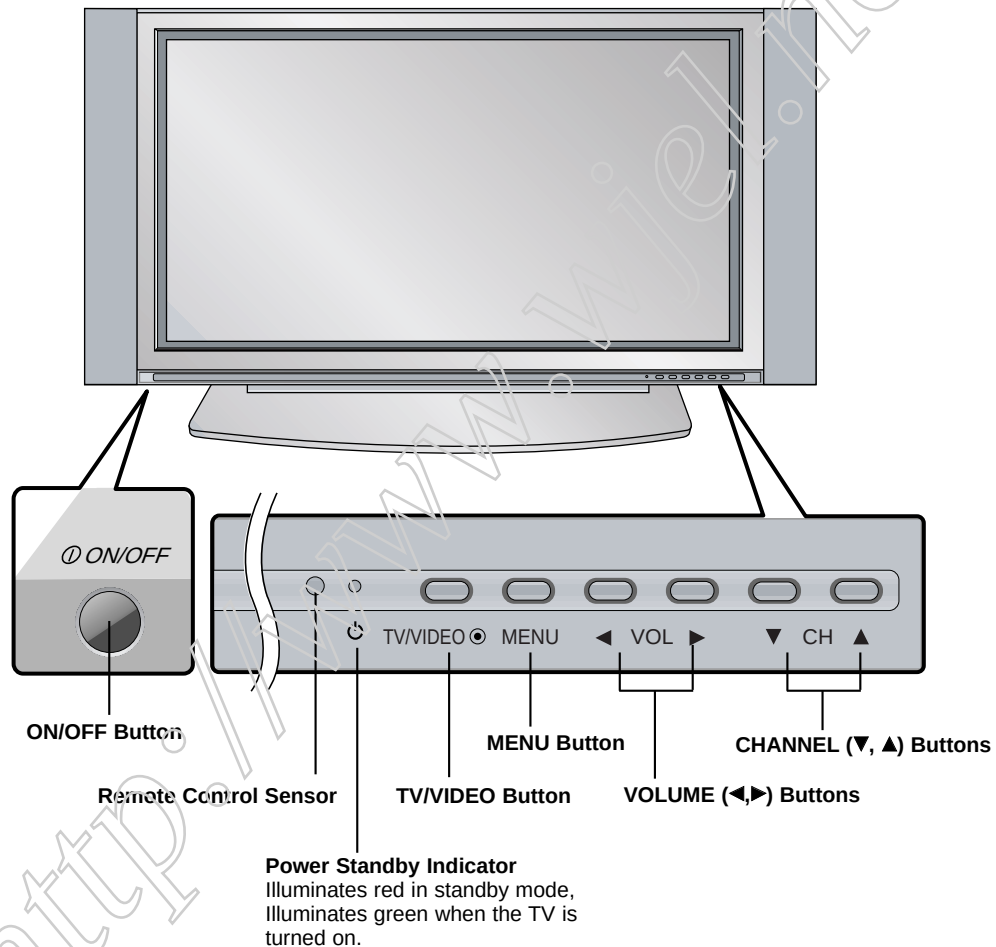
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DESCRIPTION OF CONTROLS

Controls

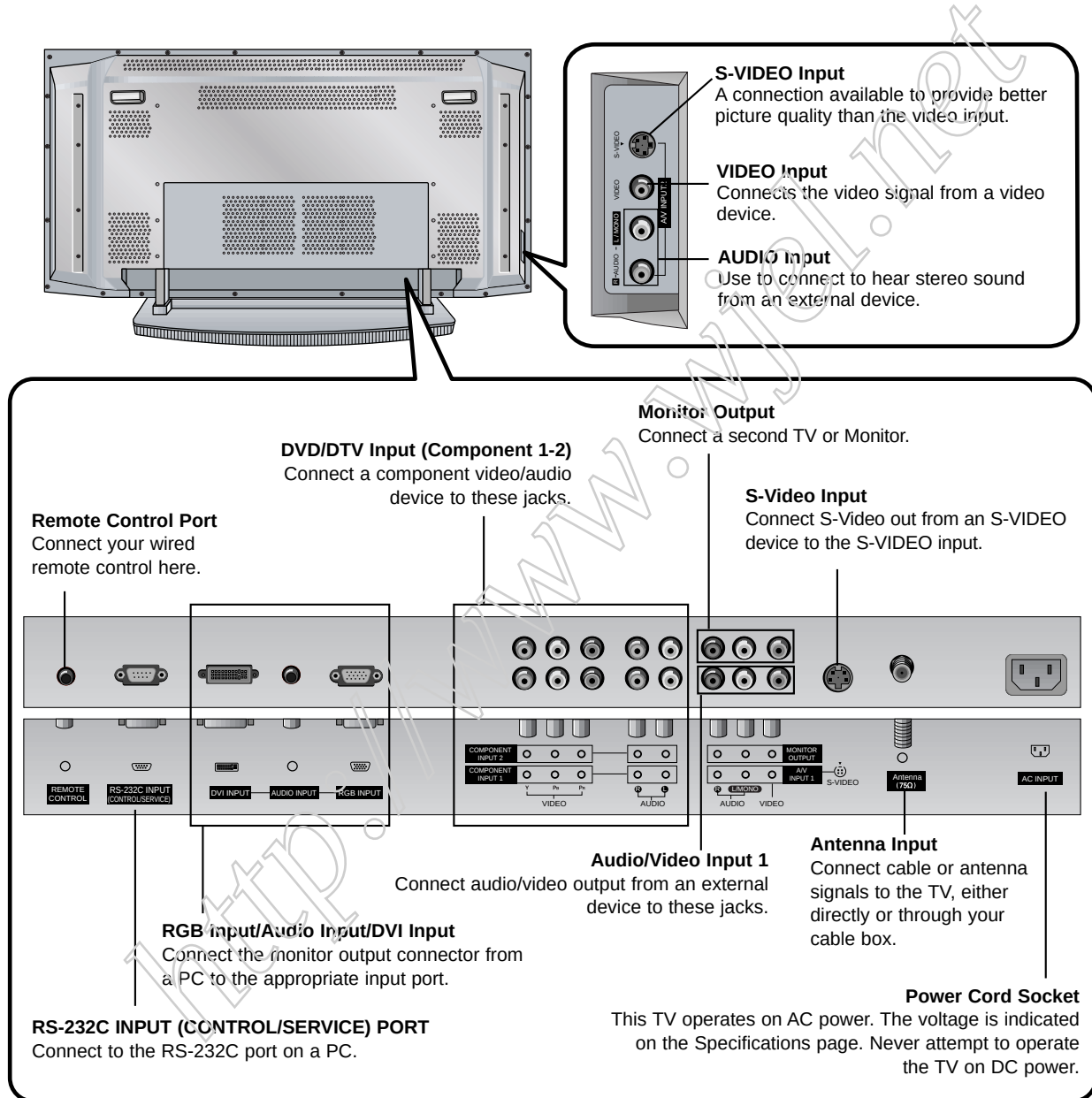
- This is a simplified representation of front panel.
Here shown may be somewhat different from your TV.
- This manual explains the features available on the RU-42PX10 TVs.

Front Panel Controls



DESCRIPTION OF CONTROLS

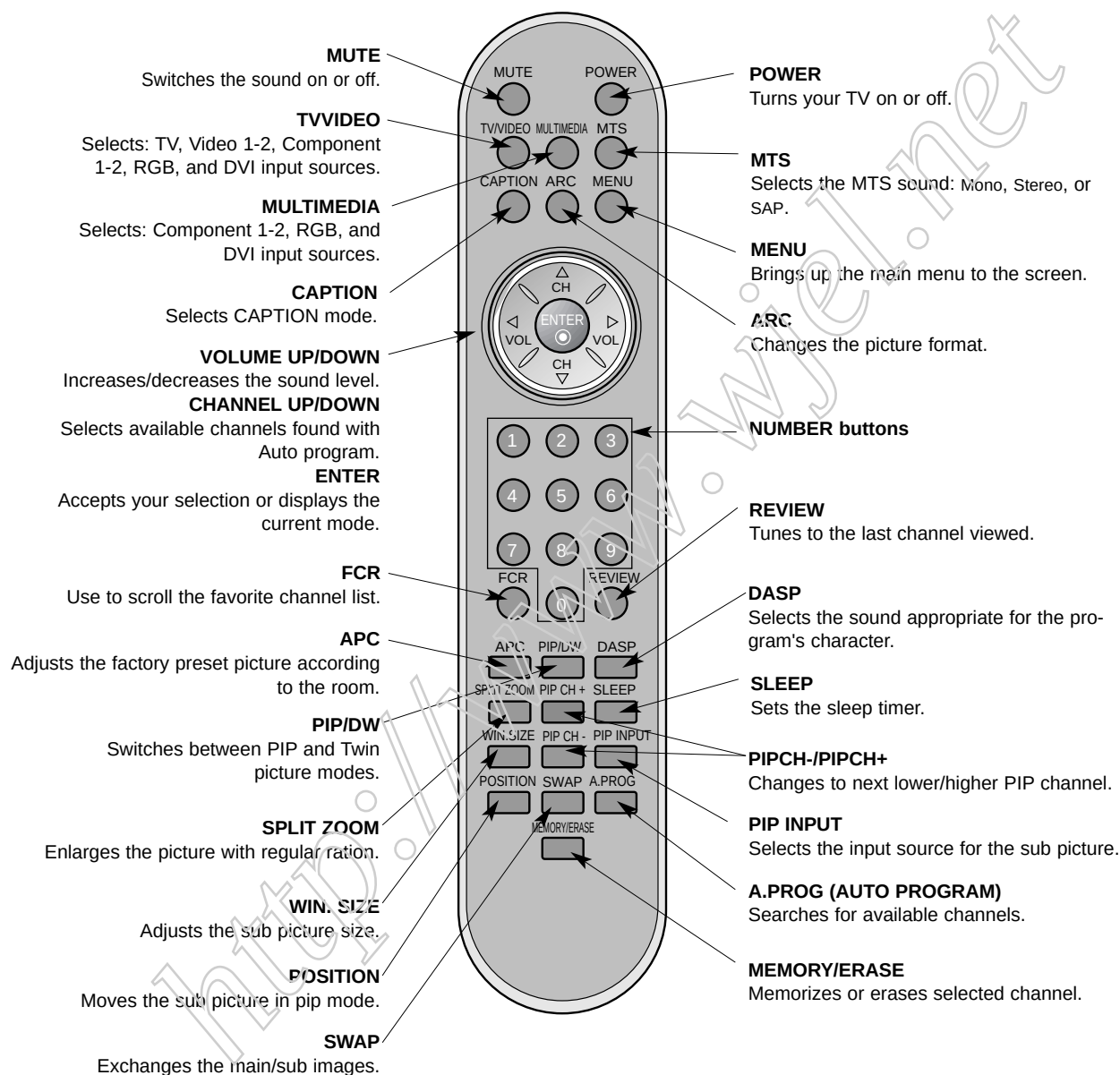
Connection Options



DESCRIPTION OF CONTROLS

Remote Control Key Functions

- When using the remote control, aim it at the remote control sensor on the TV.



SPECIFICATIONS

MODELS	RU-42PX10/20	RU-50PX10/20
Width (inches / mm)	48.4 / 1210	56 / 1400
Height (inches / mm)	27.6 / 701	30.4 / 761.5
Depth (inches / mm)	11.4 / 290	11.4 / 290
Weight (pounds / kg)	66 / 22.9	66 / 29.9
Resolution	852 x 480 (Dot)	1366 x 768 (Dot)
Power requirement	AC100-240V, 50/60Hz	
Television System	NTSC	
Program Coverage	VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 125	
External Antenna Impedance	75 Ω	
Color	16,770,000 (256 steps of each R, G and B)	
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)	
Operating Humidity Range	Less than 80%	
Maximum Elevation	6561 feet (2000m)	

- The specifications shown above may be changed without notice for quality improvement.

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions apply to the RF-043A Chassis.

2. Specification

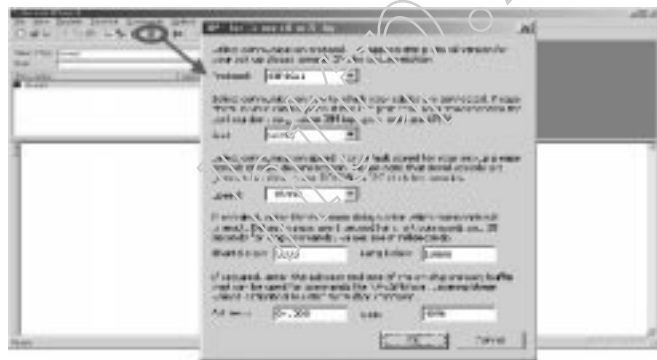
- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
- (2) Adjustment must be done in the correct order.
- (3) The adjustment must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver must keep 100~220V, 50/60Hz.
- (5) The receiver must be operated for about 15 minutes prior to the adjustment.

- After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
- Enter into HEAT-RUN MODE
 - 1) Press the POWER ON KEY on R/C for adjustment.
 - 2) OSD display and screen display 100% full WHITE PATTERN.
- ※ Set is activated HEAT-RUN without signal generator in this mode.
- ※ Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

Caution) If you turn on a still screen more than 20 minutes (Especially digital pattern, cross hatch pattern), a after image may be occur in the black level part of the screen.

3. Channel memory

3-1. Setting up the G-prove



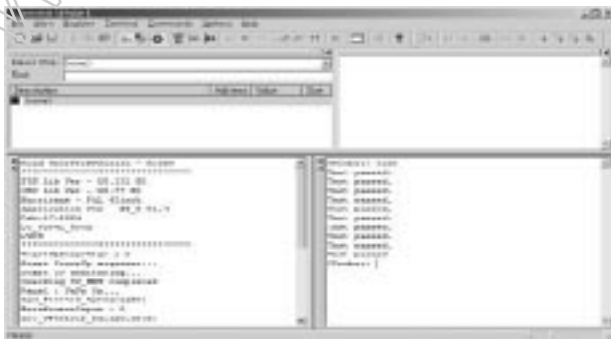
(Fig 1)

- (1) Install the GProve. (GProve4.4.0.2.exe)

- (2) After installing the Gprobe, [Option -> Connection Setup] or click the icon indicated in the picture and then setup as below the picture.
(In case of the port (second one), set to the serial port of the connected PC.
The other only have to be set as below the picture.)
- (3) After finishing inputs, click the button [OK] to complete the connection setup.

3-2. Confirming the G-prove

- (1) Connect Rs232 cable and then turn on the power.
If communication is correct, the message is showed like in the left output terminal.
- (2) If the message is not showed, push the [INSTART] button of the adjust remocon twice, and change the right selection of the [System Control -> RS-232 Host] from GProbe to PC.
** If it is impossible to check the OSD, push the [TILT] button of the adjust remocon.
Then, the message which is "Starting Gprobe..." comes up. From this time, communication is operated correctly.
However, you have to push the [TILT] button again in case of turning on Main Power.
- ** If you want to check again whether communication is on or not, input "test" and push the Enter key on the right input terminal. If communication is on, the message of "Test passed." will come up

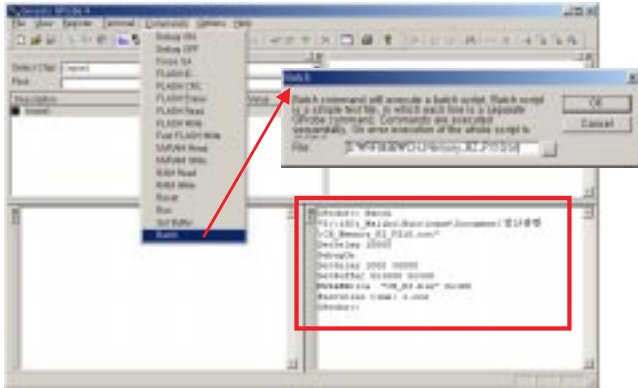


(Fig 2)

3-3. Channel memory method

- (1) Click [Command -> Batch].
- (2) When the window of [Batch] is showed, enter the text file (Ch_Memory-RZ_PX10.txt) in the right blank of the File.
- (3) Click the button [OK] to write CH information in the EEPROM.
- (4) It means the completion of the CH memory download that the message of right output terminal is showed as below.

ADJUSTMENT INSTRUCTIONS



(Fig 3)

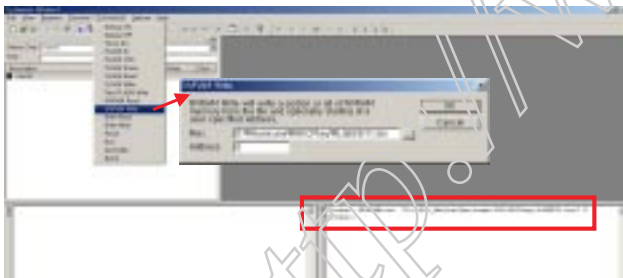
4. HDCP download

4-1. Setting up & Confirming the G-prove

: Refer to 3-1 and 3-2.

4-2. HDCP download method

- (1) Click [Command -> NVRAM Write]
- (2) When the window of [NVRAM Write] is showed, select "LGEKEY1.bin" to insert fill up in the File.
- (3) LGEKEY1 : first KEY value
- (4) Address : insert '0'
- (5) After finishing inputs, click the button [OK] to write HDCP key in the EEPROM.
- (6) It means the end of the HDCP key download that the message of Output terminal is showed as below.



(Fig 4)

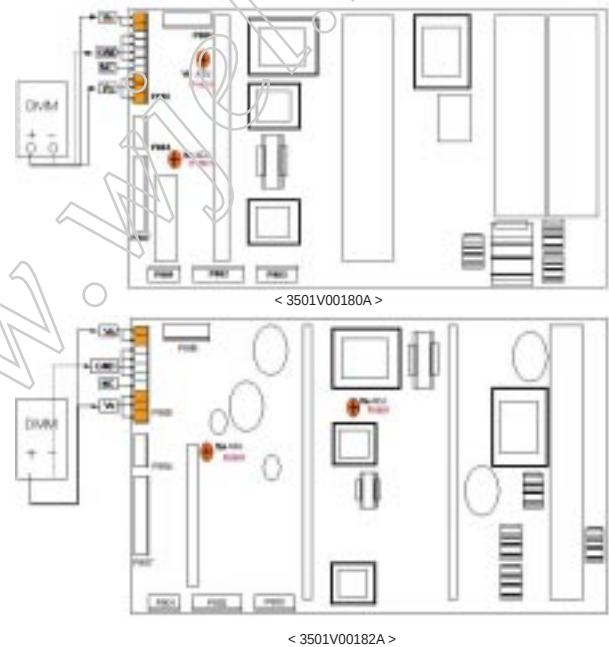
Each PCB assembly must be checked by check JIG set.
(Because power PCB Assembly damages to PDP Module, especially be careful)

5. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage Adjustments)

5-1. Test Equipment : D.M.M. 1EA

5-2. Connection Diagram for Measuring

Refer to Fig 5.



(Fig 5) Connection Diagram of power adjustment for measuring

5-3. Adjustment Method for P/No. 3501V00180A B/D

(1) Va Adjustment

- 1) After receiving 100% Full White Pattern, HEAT RUN.
- 2) Connect + terminal of D.M.M to Va pin of P805, connect - terminal to GND pin of P805.
- 3) After turning RV501, voltage of D.M.M adjustment as same as Va voltage which on lable of panel right/top (Deviation; $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P805, connect - terminal to GND pin of P805.

ADJUSTMENT INSTRUCTIONS

- 2) After turning RV401, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)

5-4. Adjustment Method for P/No. 3501V00182A B/D

(1) Va Adjustment

- 1) After receiving 100% Full White Pattern, HEAT RUN.
- 2) Connect + terminal of D.M.M to Va pin of P805, connect - terminal to GND pin of P805.
- 3) After turning RV601, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)

(2) Vs Adjustment

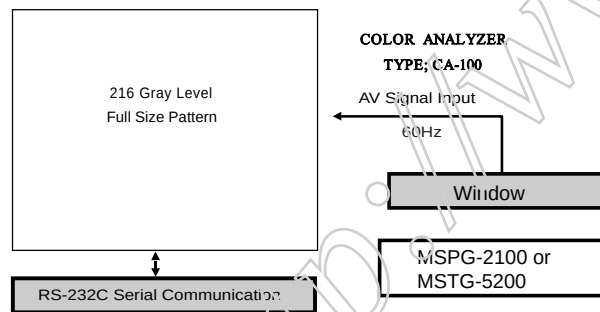
- 1) Connect + terminal of D.M.M to Vs pin of P805, connect - terminal to GND pin of P805.
- 2) After turning RV401, voltage of D.M.M adjustment as same as Vs voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)

6. Adjustment of White Balance

6-1. Required Equipment

Color Analyzer (CA-100 or same product)

6-2. Connection Diagram of Equipment for Measuring



(Fig 6) White Balance Adjustment

6-3. Adjustment of White Balance

- Operate the Zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
- For manual adjustment, it is also possible by the following sequence.

- (1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minutes.

- (2) Supply Gray Pattern (216 Level Full Size Pattern) signal to VIDEO input. (AV2 Input 60Hz) (Refer to Fig. 6)

- (3) To adjust, stick sensor to 216 Gray Level Pattern, press ADJ key twice(White Balance) on remote control. For adjustment and ▲, ▼ on remote control for adjustment mode to select Red Gain and Blue Gain, press VOL +, - Key and adjust it until color coordination becomes as below.

X; 0.283 ± 0.003 , Y; 0.297 ± 0.003
Color Temperature; $9,300^{\circ}K \pm 500^{\circ}K$

- (4) Exit adjustment mode using ■ Key.

7. Auto RGB Color Balance

7-1. Pattern Equipment

PC Pattern Generator (VG828, VG854, 801GF, MSP3240A)
(16 Gray Scale Pattern output(RGB output Level: 0.7Vp-p))

7-2. Method of Auto RGB Color Balance

- (1) Input RGB Source : 16 Gray Scale Pattern output (RGB output Level : 0.7Vp-p)
- (2) Press ADJ KEY on R/C for adjustment.
- (3) Press Vol. + KEY and operate To SET.
- (4) Auto-RGB OK means completed adjustment.

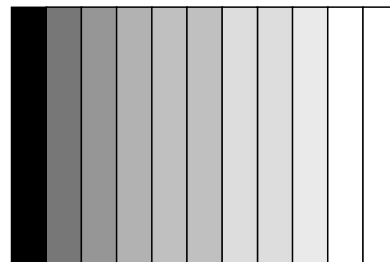
8. Auto Component Color Balance

8-1. Pattern Equipment

MSP3240A or same product
(16 Gray Scale Pattern output(Component output Level: 0.7Vp-p))

8-2. Method of Auto RGB Color Balance

- (1) Input RGB Source : Component 480p/576p 16 Gray Scale Pattern
At this time, except Pb and Pr signal, only Y signal insert.
- (2) Press ADJ KEY on R/C for adjustment.
- (3) Press Vol. + KEY and operate To set.
- (4) Auto-RGB OK means completed adjustment.



(Fig 7) Auto RGB/ Component Color Balance Test Pattern

ADJUSTMENT INSTRUCTIONS

9. Auto Adjustment Map(RS-232C)

RF-043A						
Type	RS232					
Baud Rate	Data bit		Stop bit	Parity		
115200	8		1	NONE		
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

- 6) If Check Sum is not 53, repeat 3) ~ 4).
- 7) If Check Sum is 53, DDC data for Analog-RGB input is completed.

(2) DDC Data input for Digital-RGB(DVI)

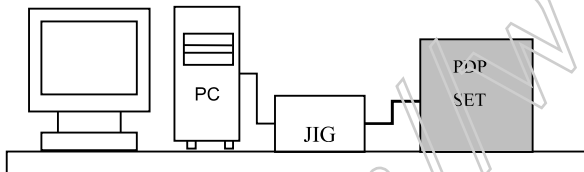
- 1) Connect PC Serial to DVI Cable of jig for DDC adjustment to DVI terminal (DVI Jack).
- 2) Operate S/W for DDC record and select DDC data for digital RGB in model menu.
- 3) Operate EDID Write command.
- 4) Operate EDID Read command and check whether Check sum is D2(1page), BF(2page).
- 5) If Check sum is not D2(1page), BF(2page), repeat 3) ~ 4).
- 6) If Check sum is D2(1page), BF(2page), DDC data for Analog-RGB input is completed.

10. DDC Data Input

10-1. Required Test Equipment

- (1) A jig for adjusting PC, DDC (PC serial to D-sub Connection equipment)
- (2) S/W for writing DDC (EDID Data Write & Read)
- (3) D-sub 15P Cable, D-Sub to DVI Connector (Connect to DVI Jack)

10-2. Setting of Device



10-3. Preparation for Adjustment

- (1) Set devices as above and turn the PC, jig on.
- (2) Put S/W for writing DDC (EDID data Write & Read) into operation. (operated in DOS mode.)

10-4. Sequence of Adjustment

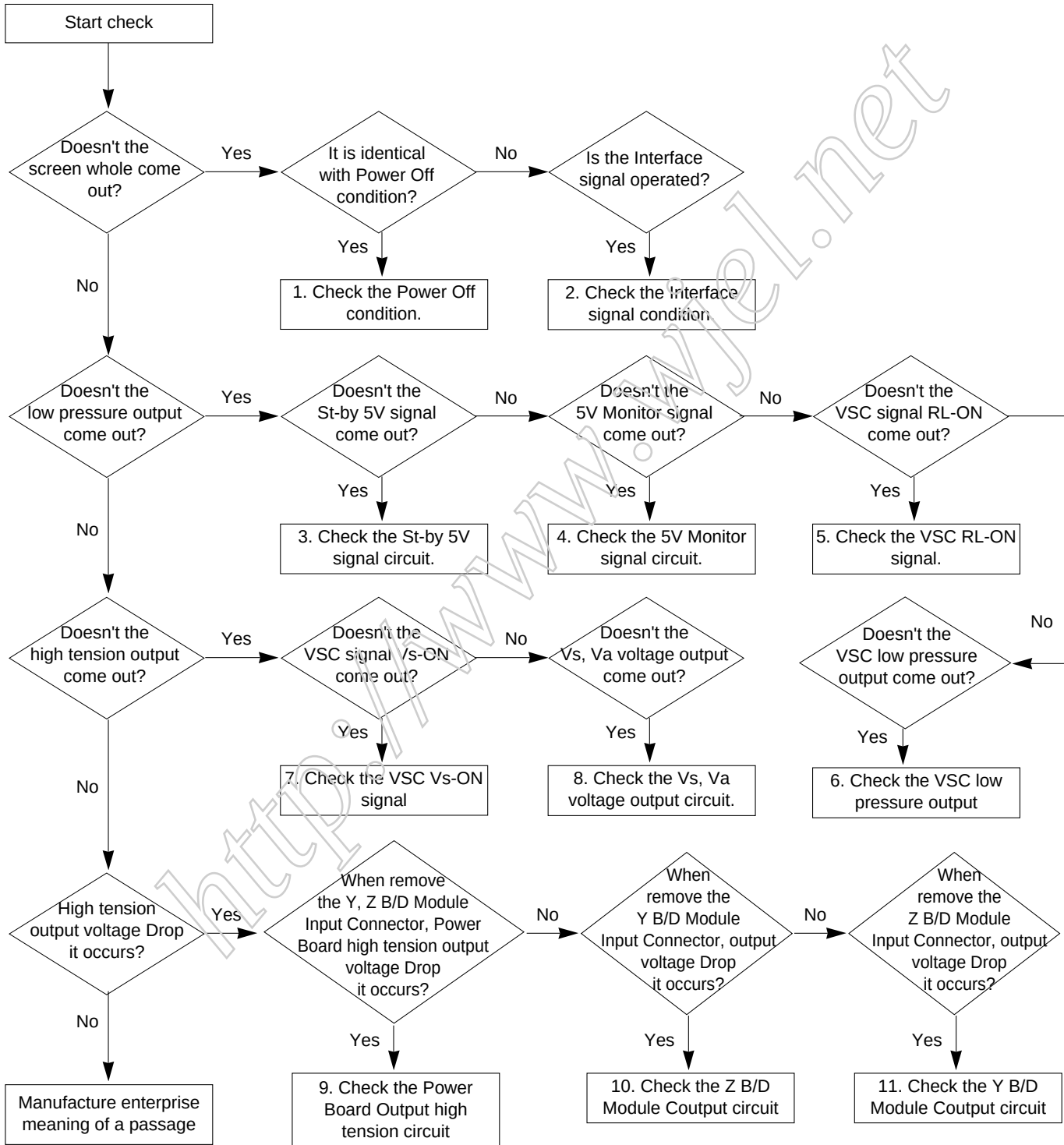
(1) DDC Data Input for Analog-RGB

- 1) Put the set on the table and turn the power on.
- 2) Connect PC Serial to D-sub 15P Cable of jig for DDC adjustment to RGB terminal (D-Sub 15Pin).
- 3) Operate S/W for DDC record and select DDC data for Analog RGB in Model Menu.
- 4) Operate EDID Write command.
- 5) Operate EDID Read command and check whether Check Sum is 53.

TROUBLE SHOOTING GUIDE

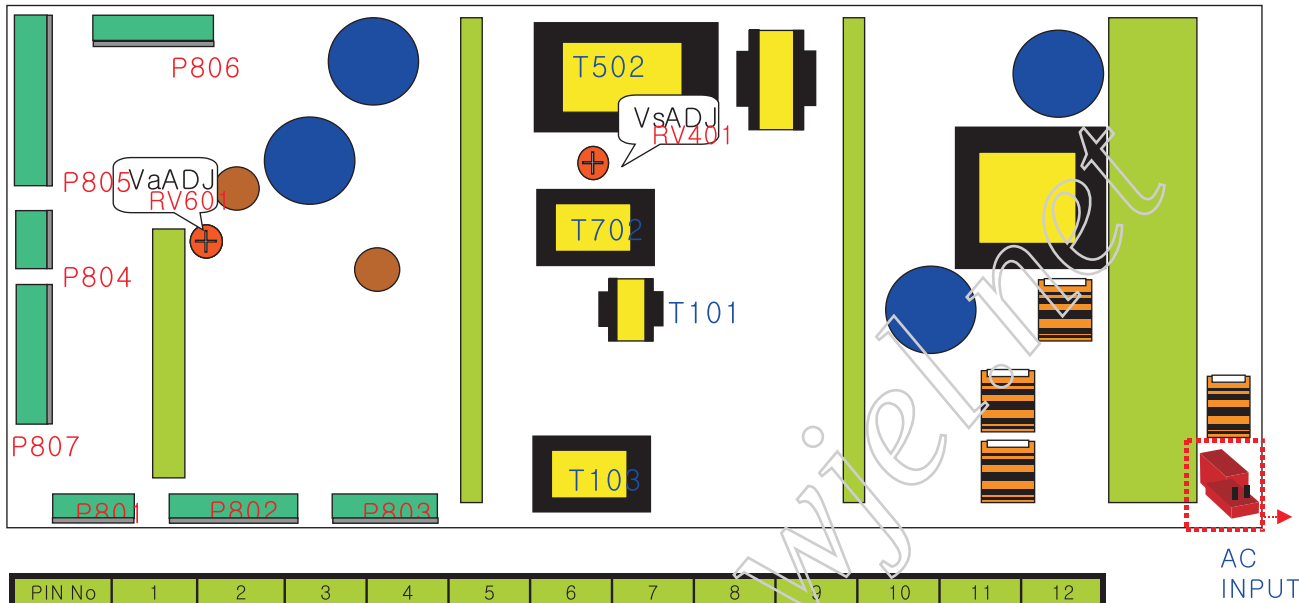
1. Power Board

1-1. The whole flowchart which it follows in voltage output state

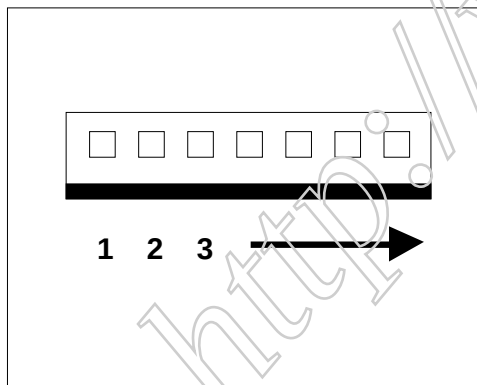


TROUBLE SHOOTING GUIDE

1-2. Sony Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	25V	25V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				



T502: Vs Trans

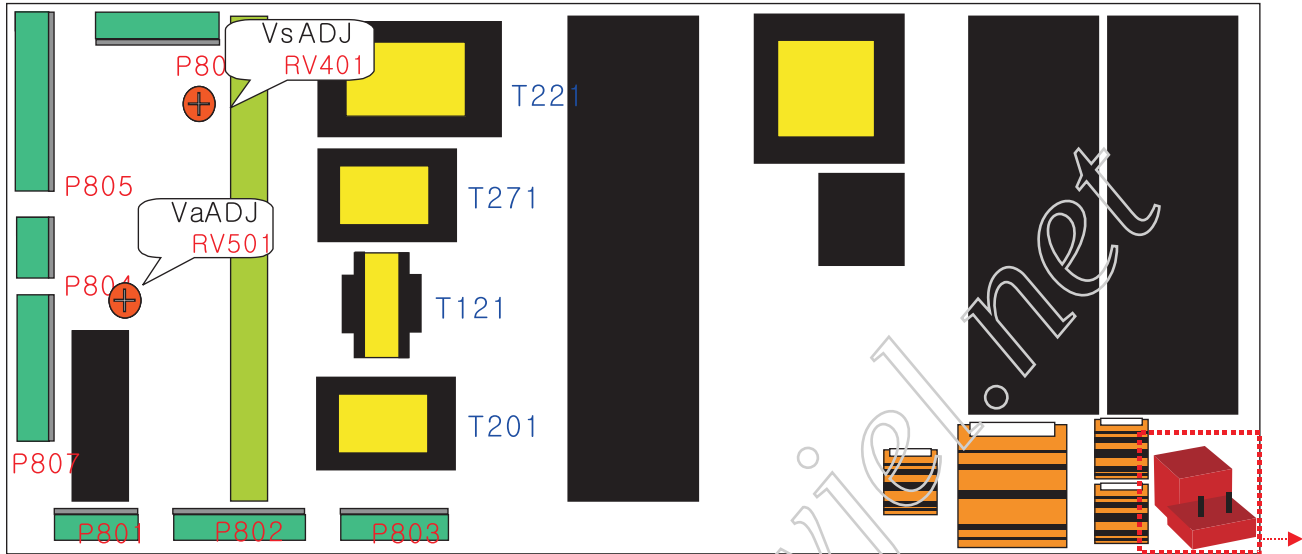
T702: Va Trans

T101: St-by Trans

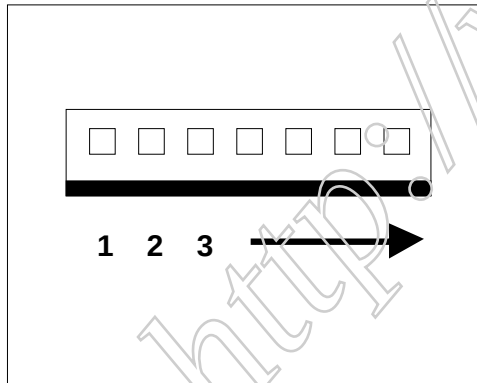
T103: Low Voltage Trans

TROUBLE SHOOTING GUIDE

1-3. Sanken Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				



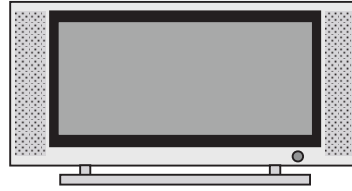
- T221: Vs Trans
- T271: Va Trans
- T121: St-by Trans
- T201: Low Voltage Trans

TROUBLE SHOOTING GUIDE

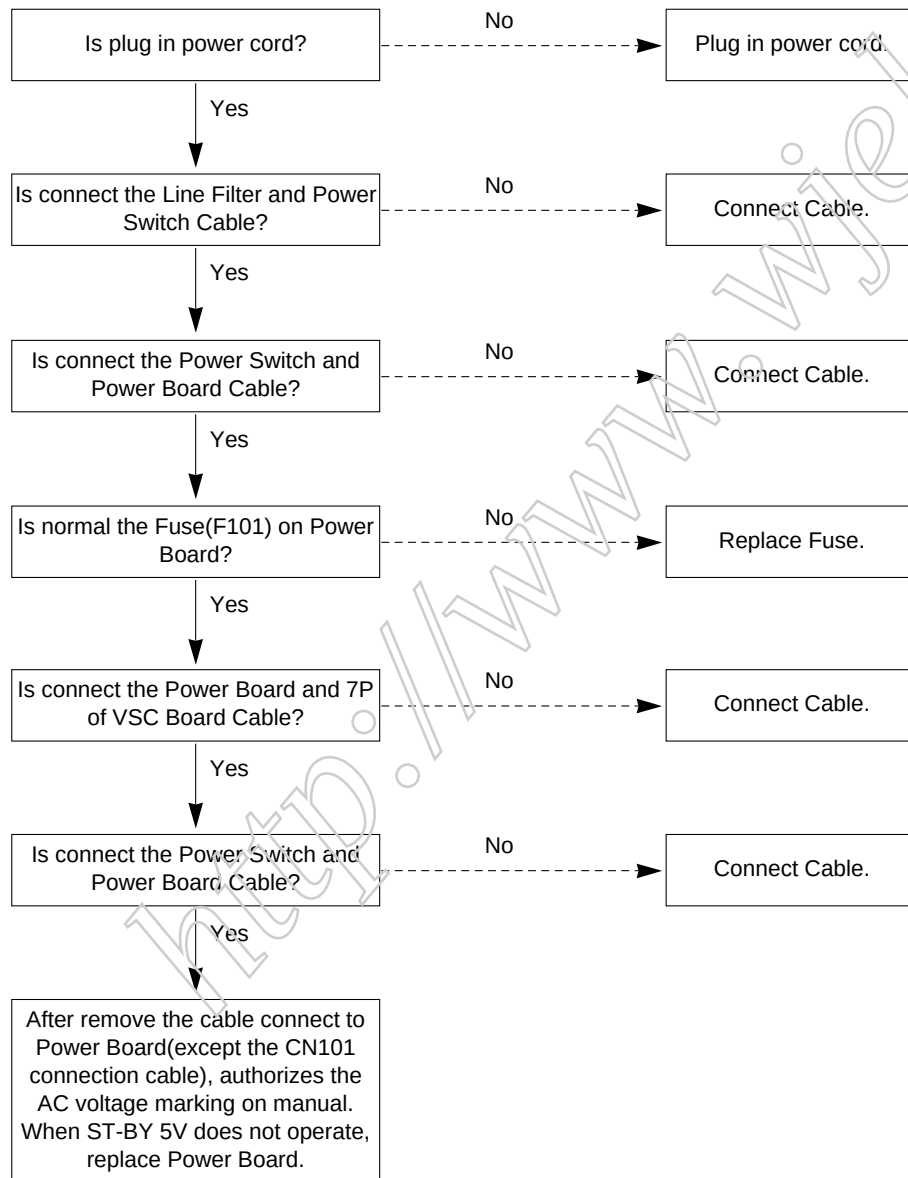
2. No Power

(1) Symptom

- Does't minute discharge at module.
- Non does not come in into the front LED.



(2) Check follow

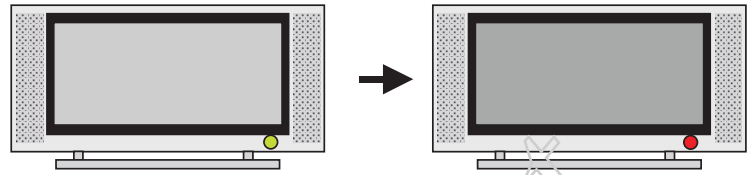


TROUBLE SHOOTING GUIDE

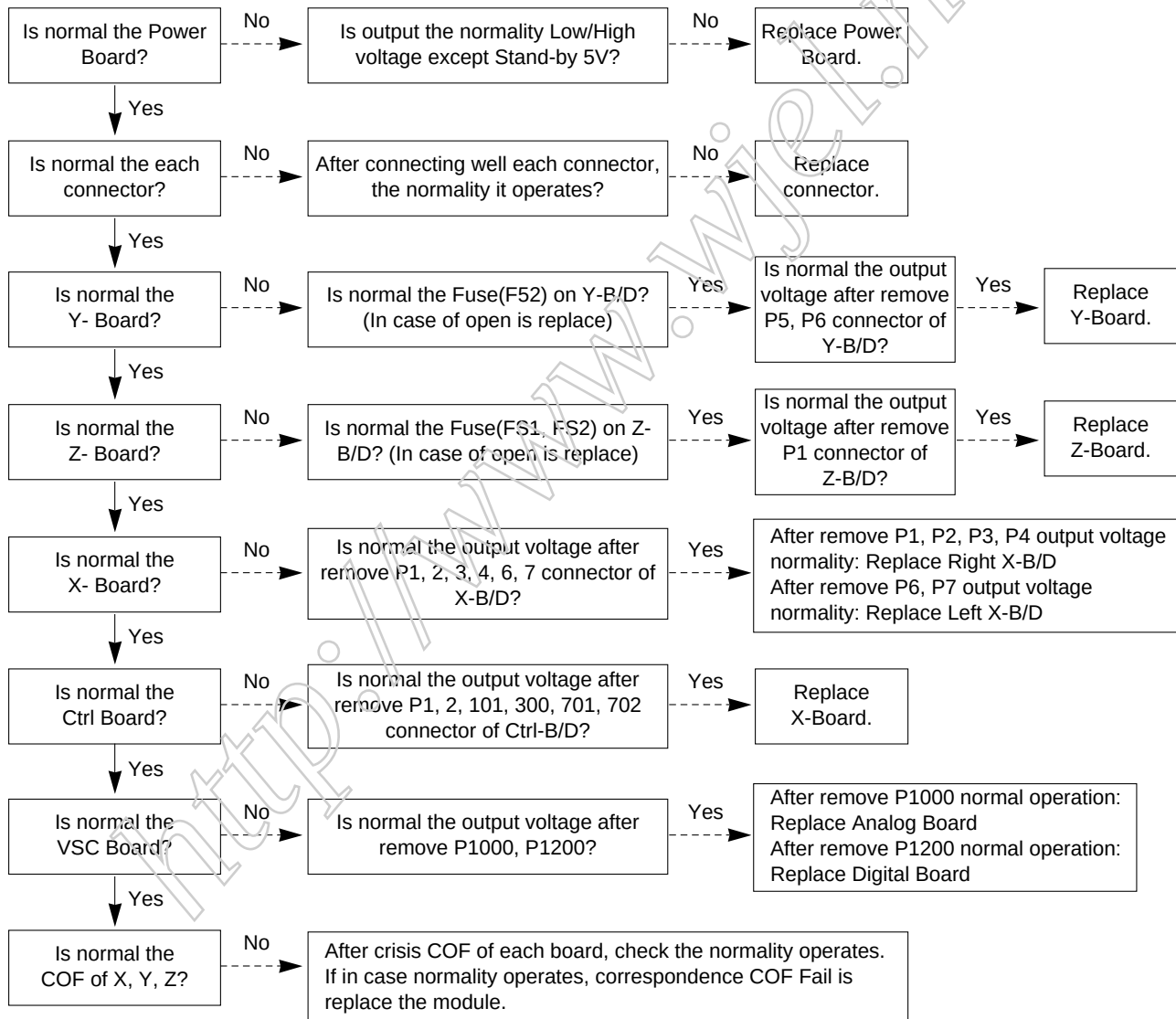
3. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Rely falls(The sound is audible "click")
- It is converted with the color where the front LED is red from green.



(2) Check follow



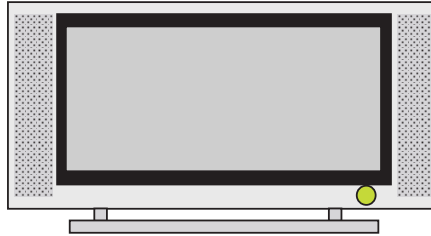
TROUBLE SHOOTING GUIDE

5. In case of occur strange screen into specific mode

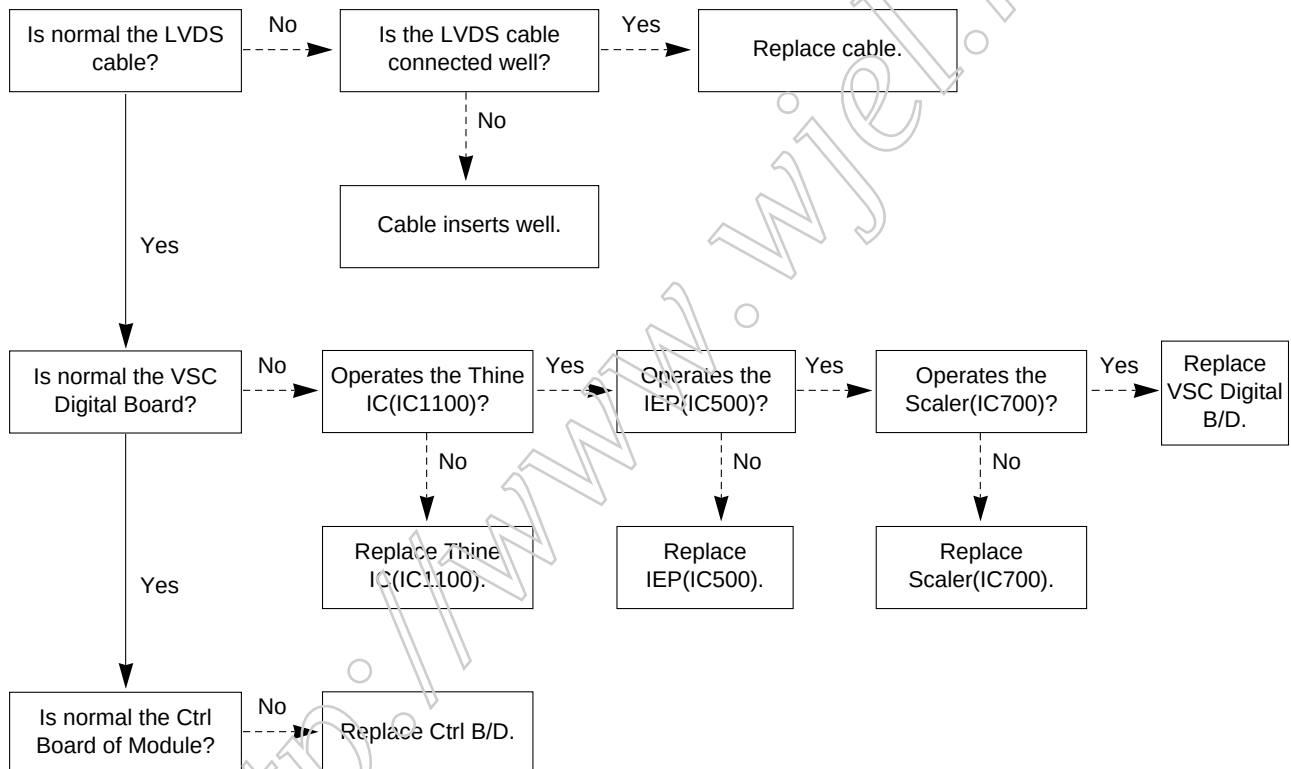
5-1. In case of does't display the OSD

(1) Symptom

- LED is green
- The minute discharge continuously becomes accomplished from module



(2) Check follow



TROUBLE SHOOTING GUIDE

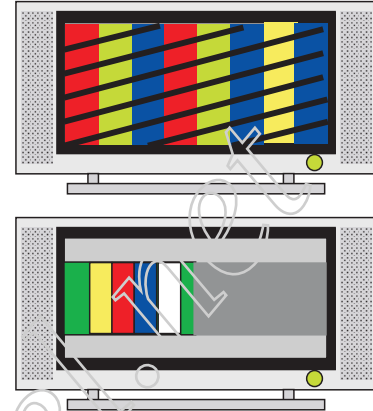
5-2. In case of does't display the screen into specific mode

(1) Symptom

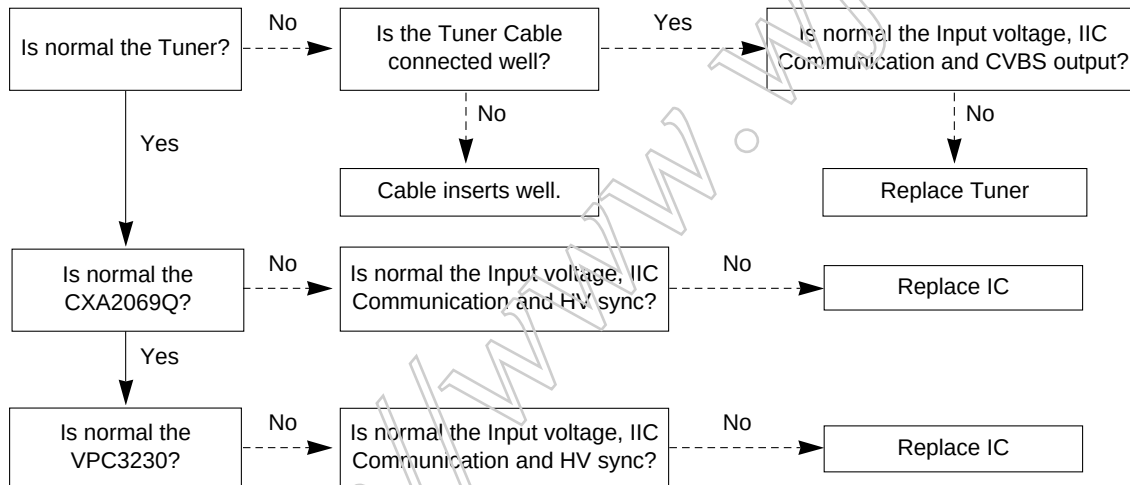
- The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

(2) Check follow

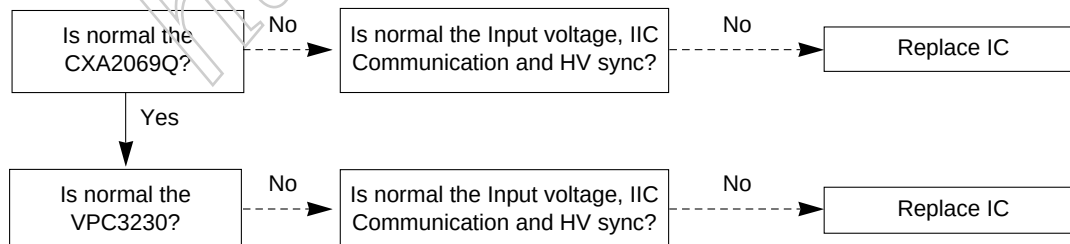
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



(3) In case of becomes unusual display from RF mode

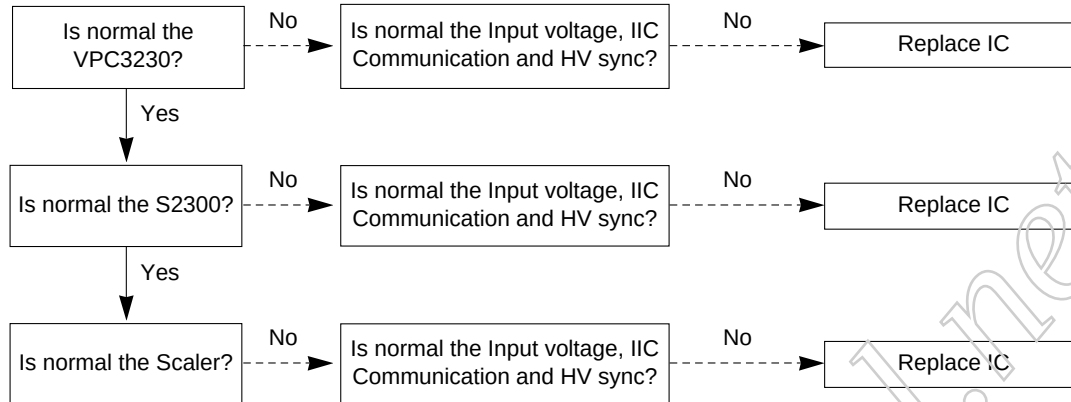


(4) In the case of becomes unusual display from RF, AV mode

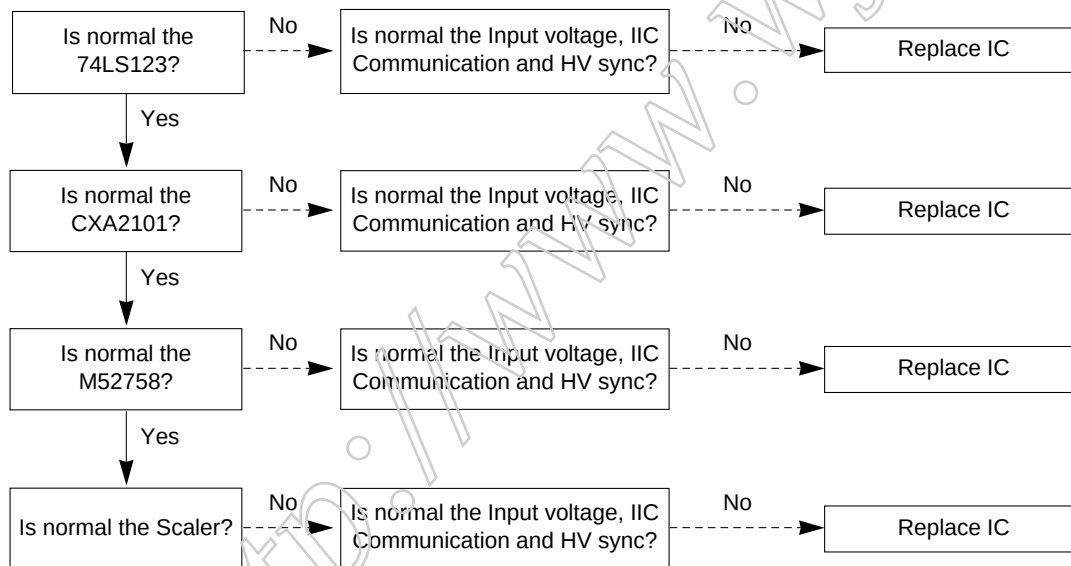


TROUBLE SHOOTING GUIDE

(5) In the case of becomes unusual display from RF, AV, Component 480i mode

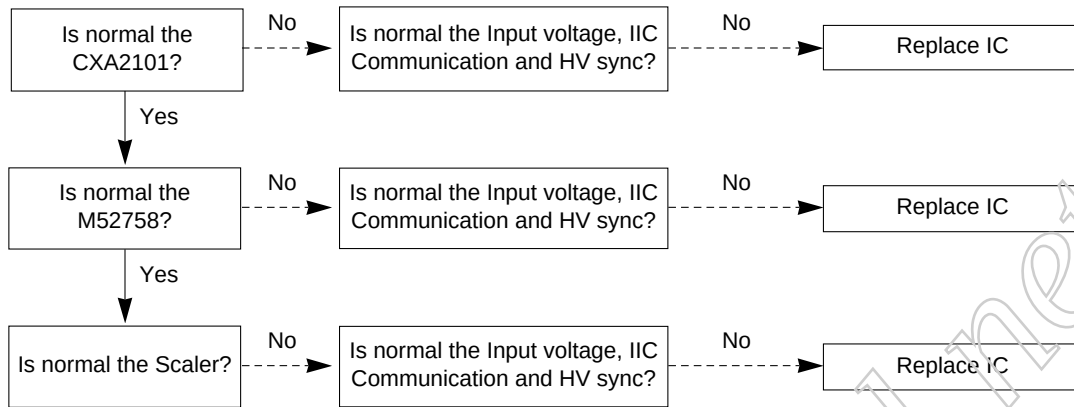


(6) In the case of becomes unusual display from Component DTV mode

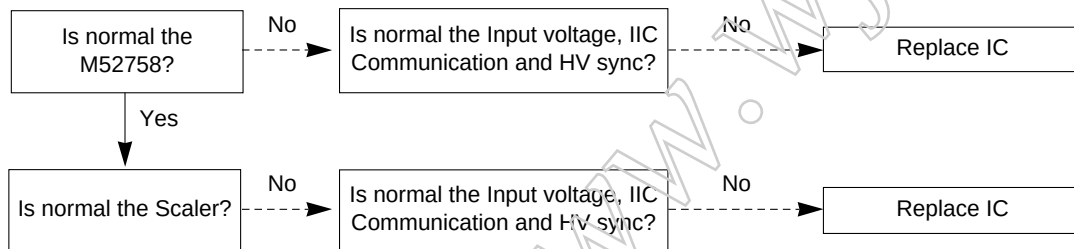


TROUBLE SHOOTING GUIDE

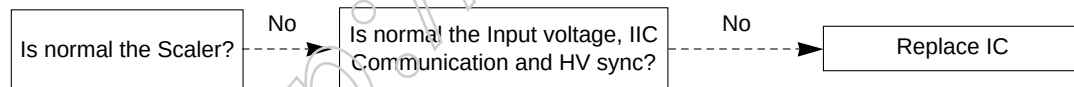
(7) In the case of becomes unusual display from RGB DTV mode



(8) In the case of becomes unusual display from RGB PC mode



(8) In the case of becomes unusual display from DVI mode

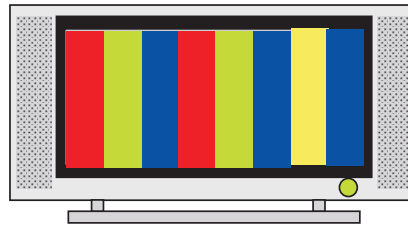


TROUBLE SHOOTING GUIDE

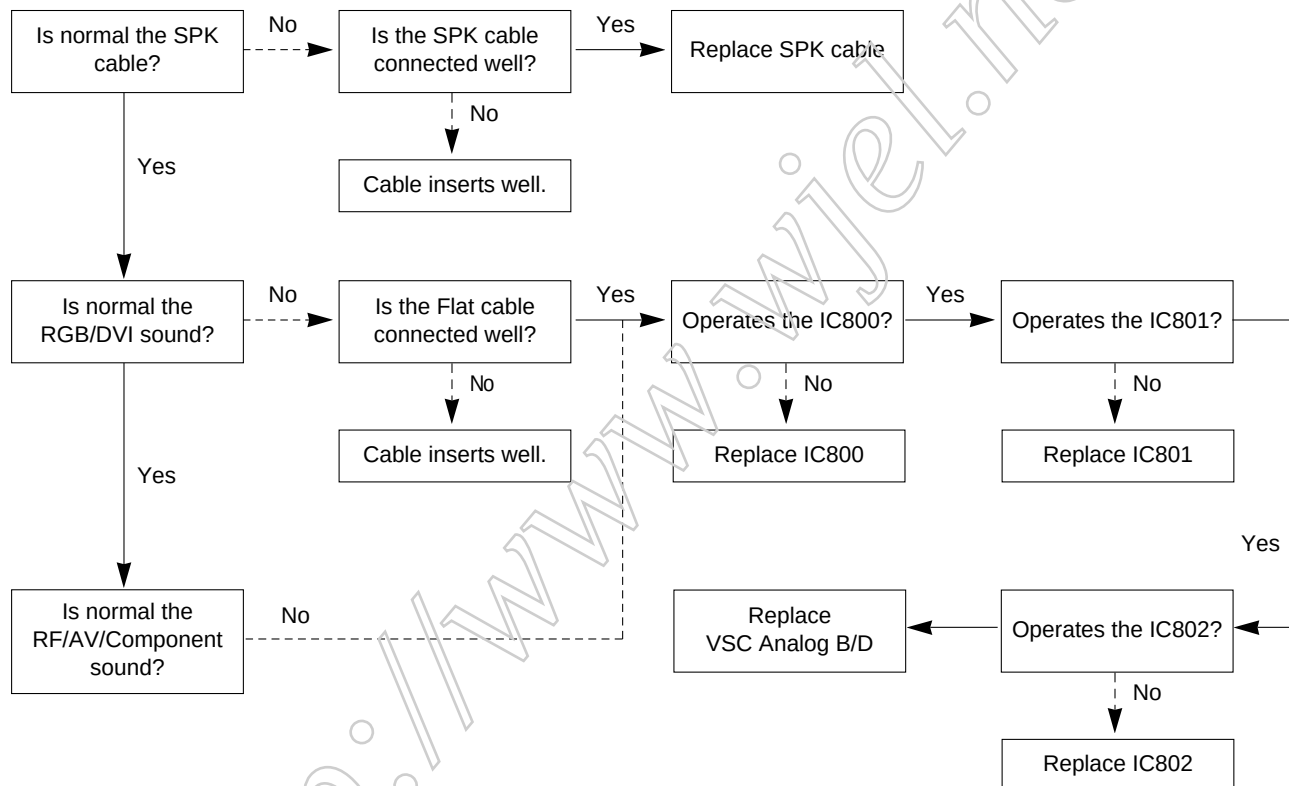
6. In case of no sound

(1) Symptom

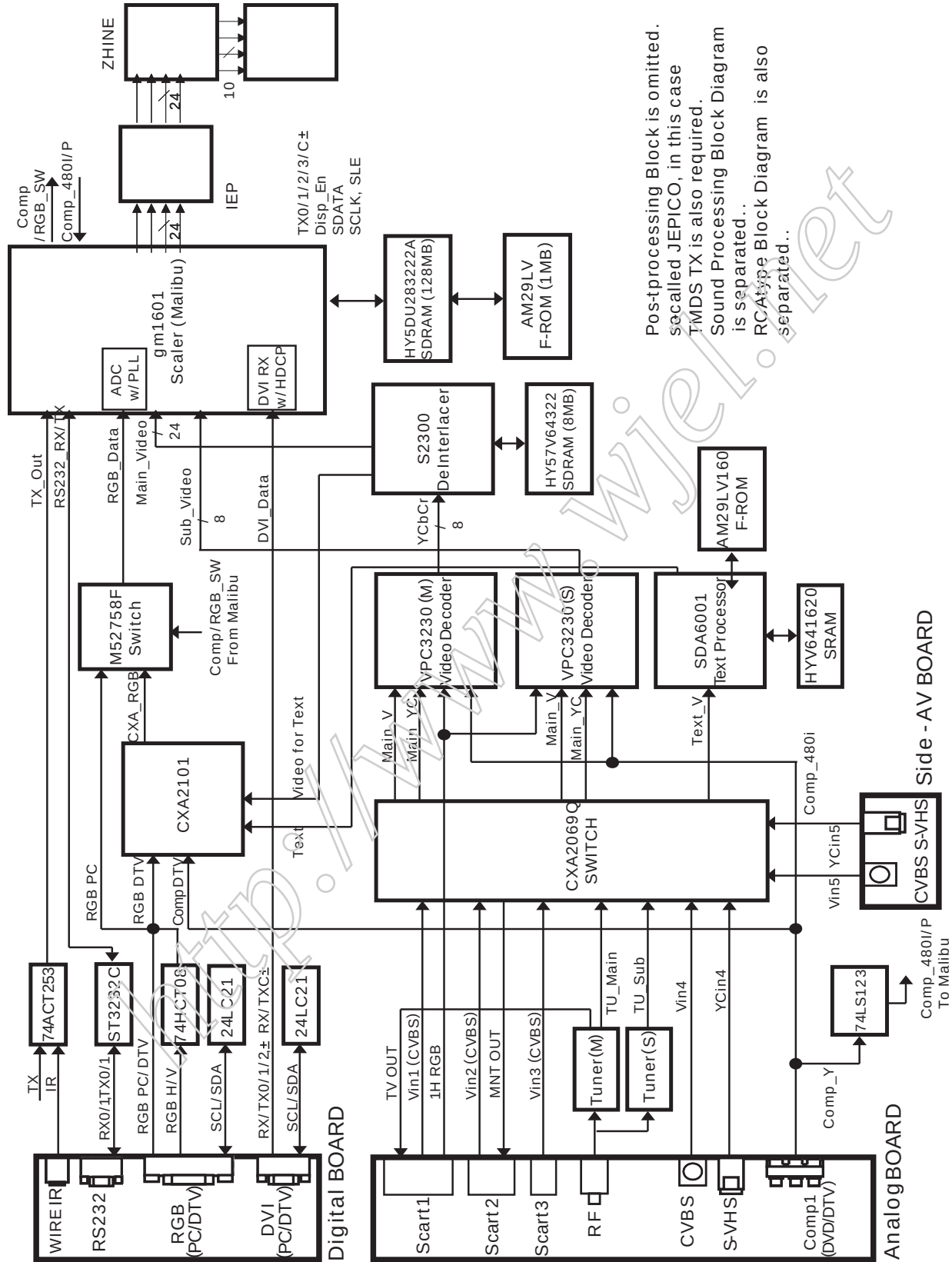
- LED is green
- Screen display but sound is not output



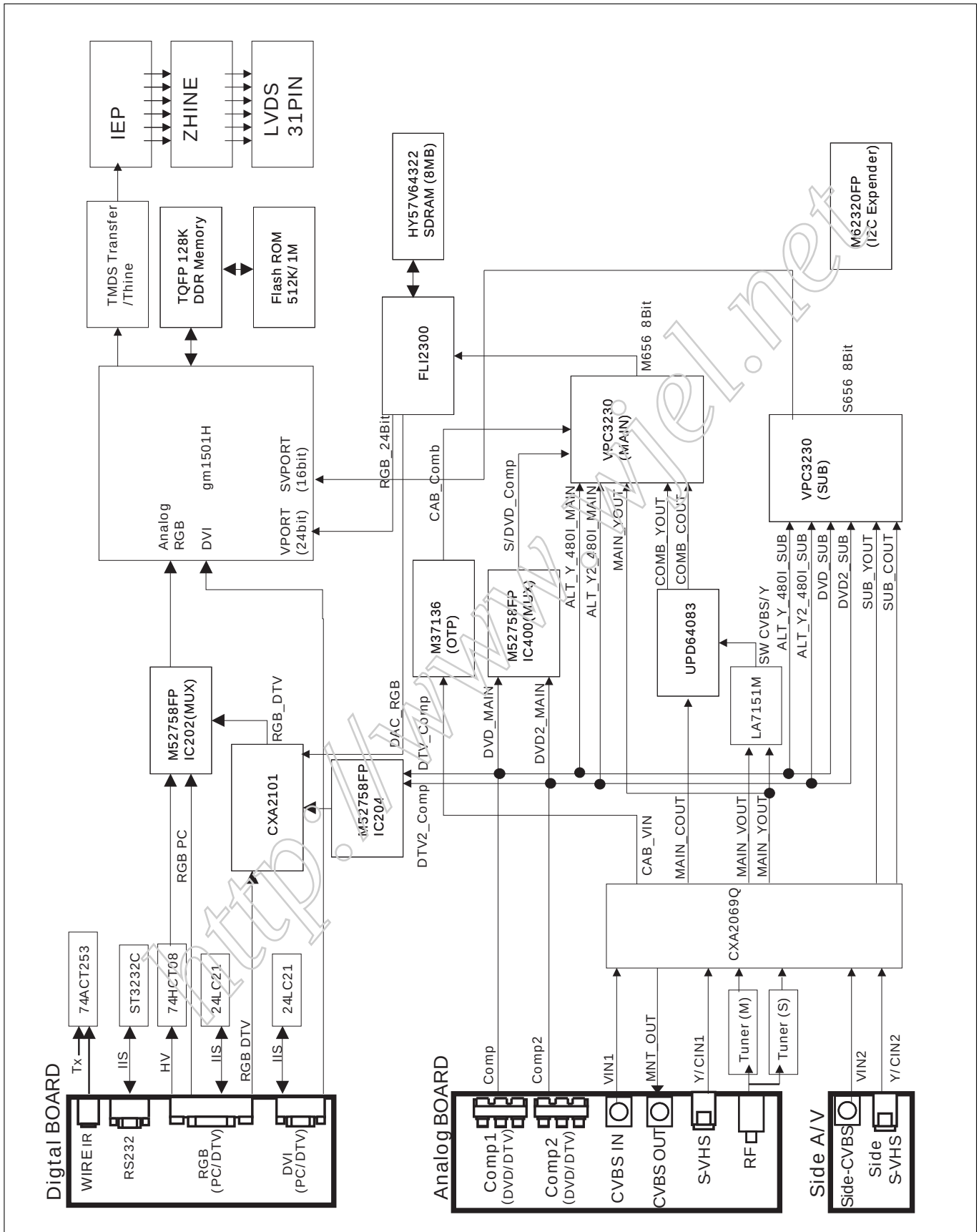
(2) Check follow



BLOCK DIAGRAM



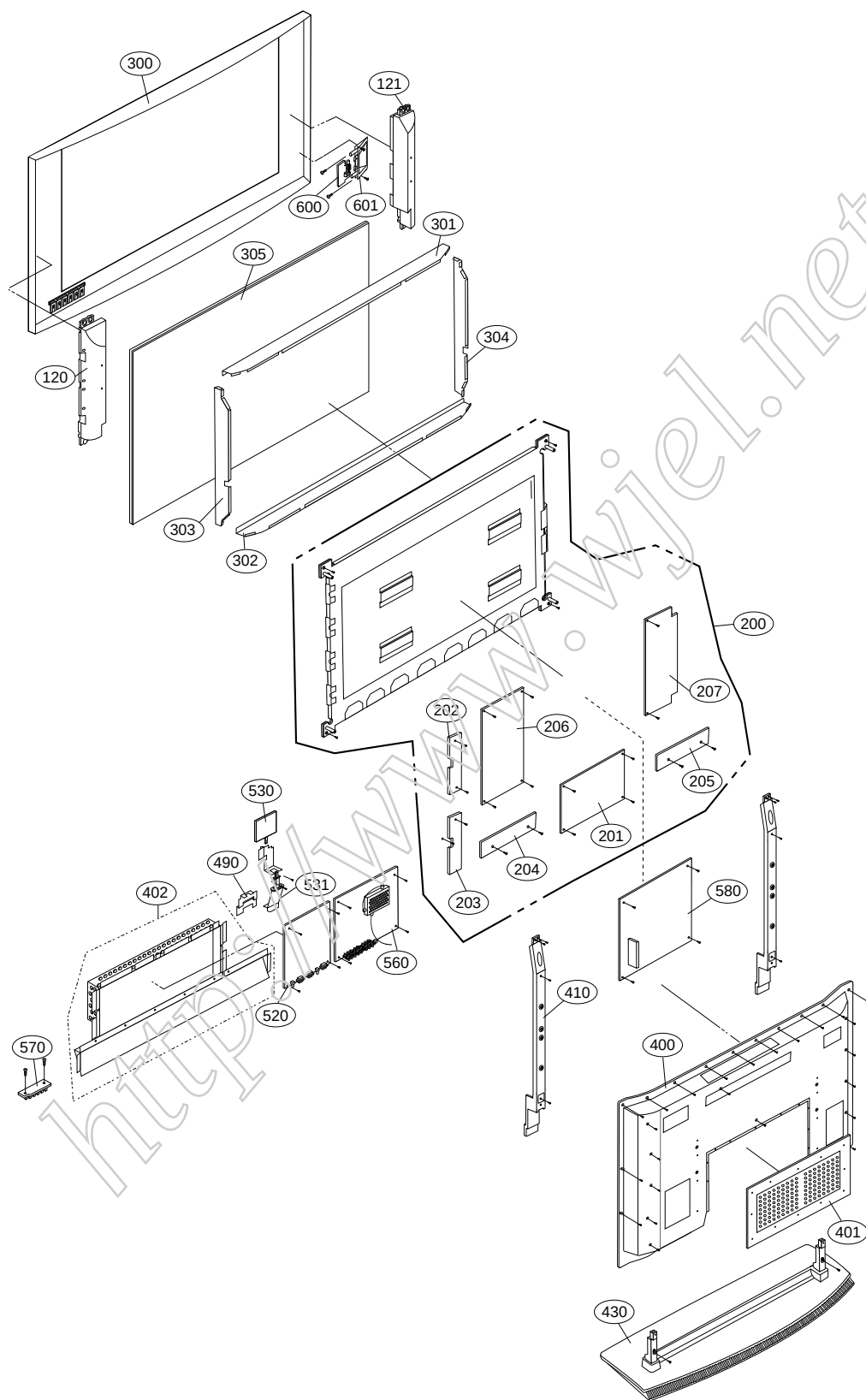
BLOCK DIAGRAM



NOTES

<http://www.vjel.net>

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
120	6401VD0013H	SPEAKER ASSEMBLY,FULL RANGE(L)
121	6401VD0013G	SPEAKER ASSEMBLY,FULL RANGE(R)
200	6348Q-E058T	PDP,42 16:9 852*480 PDP42V60000.AKLGG
	6348Q-E059C	PDP,42 *42PX11H
	6348Q-E058U	PDP LGERS
201	6871QCH034A	PCB ASSEMBLY,DISPLAY CTRL ASSY 42V6 NEW MCM(1222) LVDS
202	6871QDH066A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42V6 YDRV TOP ASSY
203	6871QDH067A	PCB ASSEMBLY,DISPLAY YDRV ASSY 42V6 YDRV BTM ASSY
204	6871QLH034A	PCB ASSEMBLY,DISPLAY XRLT ASSY 42V6_XL(4LAYER)
205	6871QRH037A	PCB ASSEMBLY,DISPLAY XRRT ASSY 42V6_XR(4LAYER)
206	6871QYH029A	PCB ASSEMBLY,DISPLAY YSUS ASSY 42V6
207	6871QZH033A	PCB ASSEMBLY,DISPLAY ZSUS ASSY 42V6
300	3091V00684B	CABINET ASSEMBLY,RU-42PX10 STEREO RF043A NON
	3091V00684E	CABINET ASSEMBLY *LGEUS
	3091V00684M	CABINET ASSEMBLY,RU-42PX11(LGECI)
	3091V00684S	CABINET ASSEMBLY,RU-42PX11(LGEUS)
	3091V00684Z	CABINET ASSEMBLY,RU-42PX10C(LGERS)
	3091V00763A	CABINET ASSEMBLY,RU-42PX11 LGEUS SKD(LGERS)
301	4980V01067A	SUPPORTER ASSY,AL FILTER TOP RZ-42PZ10
	4980V01067D	SUPPORTER ASSY,AL FILTER TOP *42PX11H
	4980V01067B	SUPPORTER ASSY,AL FILTER TOP LGERS
302	4980V01068A	SUPPORTER ASSY,AL FILTER BOTTOM RZ-42PX10
	4980V01068D	SUPPORTER ASSY,AL FILTER BOTTOM *42PX11H
	4980V01068B	SUPPORTER ASSY,AL FILTER BOT LGERS
303	4980V01069A	SUPPORTER ASSY,AL FILTER RIGHT RZ-42PX10
	4980V01069B	SUPPORTER ASSY,AL FILTER RIGHT LGERS
	4980V01069D	SUPPORTER ASSY,AL FILTER RIGHT *42PX11H
304	4980V01070A	SUPPORTER ASSY,AL FILTER LEFT RZ-42PX10
	4980V01070D	SUPPORTER ASSY,AL FILTER LEFT *42PX11H
	4980V01070B	SUPPORTER ASSY,AL FILTER LEFT LGERS
305	3790V00709B	FILTER(MECH),LGM42-01 MITSUI 42 ETCHING MESH GLASS FILTER
400	3809V00444C	BACK COVER ASSEMBLY
	3809V00444D	BACK COVER ASSEMBLY LGERS
401	3301V00025D	PLATE ASSEMBLY,COVER VSC TUNER RU-42PX10 PRESS
	3301V00025G	PLATE ASSEMBLY,VSC TUNER LGERS
402	3301V00023D	PLATE ASSEMBLY,AV VSC TUNER RU-42PX10
410	4980V01071A	SUPPORTER ASSY,AL MODULE VER. RZ-42PX10
	4980V01071B	SUPPORTER ASSY,AL VERTICAL LGERS
430	3501V00171A	BOARD ASSEMBLY,BASE
	3501V00171B	BOARD ASSEMBLY,STAND LGERS
490	4980V01057A	SUPPORTER,PCB EGI POWER SW. RZ-42PY20
	4980V01057B	SUPPORTER,PCB EGI POWER SW LGERS
520	6871VMMS16A	PCB ASSEMBLY,MAIN RF043A MALIBU RU MAIN DIGITAL MANUAL
530	6871VSME92A	PCB ASSEMBLY,SUB PSW RF043A MAILBU
531	5020V00915A	BUTTON,POWER RZ-42PY20 ABS 1KEY .
	5020V00915B	BUTTON,POWER LGERS
560	6871VSMS04A	PCB ASSEMBLY,SUB TUNER RF043A MALIBU RU SUB ANALOG MANUAL
570	6871VSMZ91A	PCB ASSEMBLY,SUB CONT RF043A NEW HOLDER LOC
580	3501V00182A	BOARD ASSEMBLY,POWER RZ-42PX10 RF043A SRX-89 SONY PSU
600	6871VSME91A	PCB ASSEMBLY,SUB A/V RF043A MALIBU SIDE AV
601	4811V00118B	BRACKET ASSEMBLY,DECO RU-42PX10 RF043A SIDE AV
	4811V00118D	BRACKET ASSEMBLY,AV LGERS

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic	RD : Carbon Film
CQ : Polyester	RS : Metal Oxide Film
CE : Electrolytic	RN : Metal Film
	RF : Fusible

RUN DATE : 2004.6.11

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	OIMMRAL014B	AT24C02N 10SI 2.7 8P
IC100	OIMI623200B	M62320FP 16P
IC1000	OIMCRFA010A	KA7809R 2P
IC1001	OIPRPM001A	MIC39100 3P SOT223
IC1002	OIMCRSH001A	PQ05DZ1U SHARP 5
IC1003	OITK118100B	TK11840L 8P SOT23L DC DC CONVERTER
IC1004	OIMCRSH001A	PQ05DZ1U SHARP 5
IC101	OIMMRAL014B	AT24C02N 10SI 2.7 8P
IC102	OIMCRTI003A	SN74HCT08D 16P
IC103	OIMCRTI021A	SN74LVTH541PWR 20P
IC104	OIMCRTI021A	SN74LVTH541PWR 20P
IC1100	OIMCRTH002A	THC63LVD103 64P 10BIT
IC1100	OIMMRNE002A	UPD64083GF3BA 100 3D YC LSI
IC1101	OISA715100D	LA7151M 10SOP R/TP AUDIO SW
IC1200	OIMCRSJ001A	SC1565IST 1.8 3P SOT223
IC1201	OIPRPM001A	MIC39100 3P SOT223
IC1202	OIMCRFA010A	KA7809R 2P
IC1300	OIMCRRH001A	BA033FP E2 3P SOP,TO252 3
IC1301	OIMCRSH001A	PQ05DZ1U SHARP 5
IC1302	OIMCRSH001A	PQ05DZ1U SHARP 5
IC1303	OIMCRRH001A	BA033FP E2 3P SOP,TO252 3
IC1304	OIMCRSJ001A	SC1565IST 1.8 3P SOT223
IC1305	OIMCRRH001A	BA033FP E2 3P SOP,TO252 3
IC1306	OIPRPM001A	MIC39100 3P SOT223
IC200	OIFA742530B	74ACT253SC 16P
IC201	OIMCRSG010A	ST3232CDR SOP16 RS232
IC202	OIMCRMI006A	M52758FP 36PIN
IC203	OIFA741230A	DM74LS123MX 16SOP
IC204	OIFA741230A	DM74LS123MX 16SOP
IC400	OISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC401	OISO210100B	CXA2101AQ 80P VIDEO SIGNAL
IC500	OICTMLG018A	LGDT4410 LG IC 176P QFP TRAY IEP
IC500	OIZZVC0121A	M37136EFSP DIP 52P BK RF 043A
IC501	OIMCRTI003A	SN74HCT08D 16P
IC502	OIMCRAL006A	AT24C16AN 10SI 2.7 8P
IC503	OIKE703300E	KIA7033AF 3P SOT 89
IC600	OIMCRGN002C	FLI2300BD 208P DIGITAL VIDEO
IC600	OIMCRMI006A	M52758FP 36PIN, R/TP PLL IC
IC601	OIMMRHY033A	HY57V643220C(L)T 6 86P 64M
IC601	OIIT323000E	VPC3230D C5 80P VIDEO
IC602	OISA715100D	LA7151M 10SOP R/TP AUDIO SW
IC700	OIPRPGN012A	GM1501HBD 416P
IC700	OIIT323000E	VPC3230D C5 80P VIDEO
IC701	OIMMRAL025A	AT24C32AN 10SI 2.7 8PIN
IC702	OIKE704200J	KIA7042AF SOT 89 TP 4.2V
IC800	OIMMRHY020B	HY5DU283222AQ 5 100P

LOCA. NO	PART NO	DESCRIPTION
IC800	OIMCRMN027B	MSP4440G QA C13 101
IC801	OIMMRMR023A	MX29LV800TTC 70 48PIN 8MBIT, 3.3V
IC801	OIMCRNL001A	NSP 6241B 64P DIGITAL AUDIO
IC802	OIMCRTI028C	TAS5122DCAR 56P/TSSOP R/TP 30W
IC805	OIKE704200J	KIA7042AF SOT 89 TP 4.2V
TRANSISTOR		
Q001	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q002	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q100	OTR830009BA	BSS83
Q100	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1000	OTRKE80038A	KT3552T RTK SOT 23F 50V 3A
Q101	OTR830009BA	BSS83
Q101	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q102	OTR830009BA	BSS83
Q102	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q103	OTR830009BA	BSS83
Q103	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q104	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q105	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q106	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q107	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q108	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q110	OTR830009BA	BSS83
Q1100	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1101	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1102	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1103	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1104	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1105	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1106	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1107	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1108	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1109	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q111	OTR830009BA	BSS83
Q1110	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1111	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1112	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1113	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1114	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1115	OTR150400BA	CHIP 2SA1504S(ASY) KEC
Q1116	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1117	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1118	OTR387500AA	CHIP 2SC3875S(ALY) KEC
Q1119	OTR102009AG	CHIP KRC102S SOT 23
Q112	OTR830009BA	BSS83
Q113	OTR830009BA	BSS83
Q1200	OTR387500AA	CHIP 2SC3875S(ALY) KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q1201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q209	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q210	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q211	0TR104009AF	CHIP KRC104S SOT 23
Q214	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q215	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q216	0TR104009AF	CHIP KRC104S SOT 23
Q217	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q218	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q219	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q308	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q309	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q310	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q311	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q312	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q313	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q314	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q315	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q316	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q317	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q318	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q319	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q320	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q321	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q400	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q400	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q401	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q402	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q404	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q405	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q406	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q600	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q602	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q603	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q800	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q801	0TR387500AA	CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q802	0TR387500AA	CHIP 2SC3875S(ALY) KEC
DIODE		
D100	0DD226239AA	CHIP KDS226 SOT 23
D100	0DD226239AA	CHIP KDS226 SOT 23
D1000	0DD226239AA	CHIP KDS226 SOT 23
D1001	0DD184009AA	KDS184S CHIP 85V 300MA
D1002	0DD226239AA	CHIP KDS226 SOT 23
D1003	0DD226239AA	CHIP KDS226 SOT 23
D1004	0DD226239AA	CHIP KDS226 SOT 23
D101	0DD226239AA	CHIP KDS226 SOT 23
D101	0DD226239AA	CHIP KDS226 SOT 23
D102	0DD226239AA	CHIP KDS226 SOT 23
D102	0DD226239AA	CHIP KDS226 SOT 23
D103	0DD226239AA	CHIP KDS226 SOT 23
D103	0DD226239AA	CHIP KDS226 SOT 23
D104	0DD226239AA	CHIP KDS226 SOT 23
D105	0DD184009AA	KDS184S CHIP 85V 300MA
D116	0DD226239AA	CHIP KDS226 SOT 23
D117	0DD226239AA	CHIP KDS226 SOT 23
D118	0DD226239AA	CHIP KDS226 SOT 23
D119	0DD226239AA	CHIP KDS226 SOT 23
D120	0DD226239AA	CHIP KDS226 SOT 23
D1200	0DD226239AA	CHIP KDS226 SOT 23
D1201	0DD226239AA	CHIP KDS226 SOT 23
D1206	0DD226239AA	CHIP KDS226 SOT 23
D121	0DD226239AA	CHIP KDS226 SOT 23
D122	0DD226239AA	CHIP KDS226 SOT 23
D123	0DD226239AA	CHIP KDS226 SOT 23
D124	0DD226239AA	CHIP KDS226 SOT 23
D125	0DD226239AA	CHIP KDS226 SOT 23
D126	0DD226239AA	CHIP KDS226 SOT 23
D127	0DD226239AA	CHIP KDS226 SOT 23
D128	0DD226239AA	CHIP KDS226 SOT 23
D129	0DD226239AA	CHIP KDS226 SOT 23
D130	0DD226239AA	CHIP KDS226 SOT 23
D1300	0DD226239AA	CHIP KDS226 SOT 23
D1301	0DD226239AA	CHIP KDS226 SOT 23
D1302	0DD226239AA	CHIP KDS226 SOT 23
D1303	0DD226239AA	CHIP KDS226 SOT 23
D1304	0DD226239AA	CHIP KDS226 SOT 23
D1305	0DD226239AA	CHIP KDS226 SOT 23
D1306	0DD226239AA	CHIP KDS226 SOT 23
D131	0DD226239AA	CHIP KDS226 SOT 23
D200	0DD226239AA	CHIP KDS226 SOT 23
D201	0DD226239AA	CHIP KDS226 SOT 23
D202	0DD226239AA	CHIP KDS226 SOT 23
D203	0DD226239AA	CHIP KDS226 SOT 23
D204	0DD226239AA	CHIP KDS226 SOT 23
D205	0DD226239AA	CHIP KDS226 SOT 23
D500	0DD226239AA	CHIP KDS226 SOT 23

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
D501	0DD226239AA	CHIP KDS226 SOT 23
D502	0DD226239AA	CHIP KDS226 SOT 23
LD001	0DL200000CA	LED,SAM5670(DL 2LRG)
LD1000	0DL233309AC	LED,SAM2333
LD1001	0DL233309AC	LED,SAM2333
LD1002	0DL233309AC	LED,SAM2333
LD1003	0DL233309AC	LED,SAM2333
LD1100	0DL233309AC	LED,SAM2333
LD1203	0DL233309AC	LED,SAM2333
LD1204	0DL233309AC	LED,SAM2333
LD1206	0DL233309AC	LED,SAM2333
LD1207	0DL233309AC	LED,SAM2333
LD500	0DL233309AC	LED,SAM2333
LD501	0DL233309AC	LED,SAM2333
LD502	0DL233309AC	LED,SAM2333
LD503	0DL233309AC	LED,SAM2333
ZD100	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD101	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD103	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD104	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD105	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD400	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD401	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD800	0DZ820009AH	ZENERS,MTZJ8.2B

CAPACITOR

C002	0CE4763F618	47UF SRE 16V M
C1001	0CE107SF6DC	100UF MVG 16V M
C1002	0CE227VF6DC	220UF MV 16V 20%
C1003	0CE107SF6DC	100UF MVG 16V M
C1004	0CE475SK6DC	4.7UF MVG 50V 20%
C1006	0CE477SF6DC	470UF MVG 16V 20%
C1016	0CE107SF6DC	100UF MVG 16V M
C1017	0CE107SF6DC	100UF MVG 16V M
C1018	0CE107SF6DC	100UF MVG 16V M
C102	0CE474SK6DC	0.47UF MVG 50V M
C102	0CE475SK6DC	4.7UF MVG 50V 20%
C1020	0CE107SF6DC	100UF MVG 16V M
C1022	0CE477SF6DC	470UF MVG 16V 20%
C1025	0CE475SK6DC	4.7UF MVG 50V 20%
C1027	0CE107SF6DC	100UF MVG 16V M
C1031	0CE477SF6DC	470UF MVG 16V 20%
C1037	0CE477SF6DC	470UF MVG 16V 20%
C104	0CE476DF618	47UF STD 16V M
C1041	0CE107SF6DC	100UF MVG 16V M
C1042	0CE477SF6DC	470UF MVG 16V 20%
C1045	0CE107SF6DC	100UF MVG 16V M
C1046	0CE107SF6DC	100UF MVG 16V M
C105	0CE476DF618	47UF STD 16V M
C1052	0CE107SF6DC	100UF MVG 16V M

LOCA. NO	PART NO	DESCRIPTION
C1058	0CE107SF6DC	100UF MVG 16V M
C1059	0CE477DJ618	470UF STD 35V 20%
C106	0CE227VF6DC	220UF MV 16V 20%
C1060	0CE227VF6DC	220UF MV 16V 20%
C1061	0CE107SF6DC	100UF MVG 16V M
C1063	0CE227VF6DC	220UF MV 16V 20%
C1066	0CE107SF6DC	100UF MVG 16V M
C1067	0CE477DJ618	470UF STD 35V 20%
C107	0CE477SF6DC	470UF MVG 16V 20%
C1072	0CE107SF6DC	100UF MVG 16V M
C1074	0CE107SF6DC	100UF MVG 16V M
C1077	0CE107SF6DC	100UF MVG 16V M
C108	0CE477SF6DC	470UF MVG 16V 20%
C1081	0CE107SF6DC	100UF MVG 16V M
C1083	0CE107SF6DC	100UF MVG 16V M
C1084	0CE107SF6DC	100UF MVG 16V M
C1087	0CE107SF6DC	100UF MVG 16V M
C110	0CE227VF6DC	220UF MV 16V 20%
C1108	0CE106SF6DC	10UF MVG 16V 20%
C111	0CE475SK6DC	4.7UF MVG 50V 20%
C112	0CE477SF6DC	470UF MVG 16V 20%
C1128	0CE106SF6DC	10UF MVG 16V 20%
C1129	0CN105EJ56A	1.0UF 3216 35V 10%
C113	0CE106SF6DC	10UF MVG 16V 20%
C114	0CE474SK6DC	0.47UF MVG 50V M
C114	0CE475SK6DC	4.7UF MVG 50V 20%
C1145	0CN105EJ56A	1.0UF 3216 35V 10%
C1146	0CE106SF6DC	10UF MVG 16V 20%
C1147	0CE106SF6DC	10UF MVG 16V 20%
C1152	0CE106SF6DC	10UF MVG 16V 20%
C1159	0CE476SF6DC	47UF MVG 16V M
C1160	0CE476SF6DC	47UF MVG 16V M
C120	0CE476SF6DC	47UF MVG 16V M
C1201	0CH2103K516	10000P 50V K B
C1202	0CE476SF6DC	47UF MVG 16V M
C1204	0CH2103K516	10000P 50V K B
C1205	0CE107SF6DC	100UF MVG 16V M
C1206	0CE477SF6DC	470UF MVG 16V 20%
C1207	0CH2103K516	10000P 50V K B
C1209	0CH2103K516	10000P 50V K B
C121	0CE476SF6DC	47UF MVG 16V M
C121	0CE477SF6DC	470UF MVG 16V 20%
C1211	0CE477SF6DC	470UF MVG 16V 20%
C1212	0CE477SF6DC	470UF MVG 16V 20%
C1215	0CE477SF6DC	470UF MVG 16V 20%
C1216	0CE227VF6DC	220UF MV 16V 20%
C1218	0CE477SF6DC	470UF MVG 16V 20%
C1220	0CE227VF6DC	220UF MV 16V 20%
C1229	0CE227VF6DC	220UF MV 16V 20%
C1230	0CH2103K516	10000P 50V K B
C1232	0CH2103K516	10000P 50V K B

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1233	0CE477SF6DC	470UF MVG 16V 20%	C1395	0CH2103K516	10000P 50V K B
C124	0CE107SF6DC	100UF MVG 16V M	C1397	0CH2103K516	10000P 50V K B
C1245	0CH2103K516	10000P 50V K B	C1398	0CH2103K516	10000P 50V K B
C1247	0CH2103K516	10000P 50V K B	C1400	0CE476SF6DC	47UF MVG 16V M
C1249	0CE227VF6DC	220UF MV 16V 20%	C1402	0CE476SF6DC	47UF MVG 16V M
C1250	0CE227VF6DC	220UF MV 16V 20%	C1404	0CE477SF6DC	470UF MVG 16V 20%
C1251	0CE477SF6DC	470UF MVG 16V 20%	C1408	0CH2103K516	10000P 50V K B
C1252	0CH2103K516	10000P 50V K B	C1410	0CE477SF6DC	470UF MVG 16V 20%
C1254	0CE227VF6DC	220UF MV 16V 20%	C1411	0CH2103K516	10000P 50V K B
C1256	0CE227VF6DC	220UF MV 16V 20%	C1413	0CH2103K516	10000P 50V K B
C1257	0CE227VF6DC	220UF MV 16V 20%	C1415	0CE477SF6DC	470UF MVG 16V 20%
C1258	0CH2103K516	10000P 50V K B	C1420	0CH2103K516	10000P 50V K B
C1259	0CE227VF6DC	220UF MV 16V 20%	C1424	0CH2103K516	10000P 50V K B
C1260	0CH2103K516	10000P 50V K B	C1425	0CE107SF6DC	100UF MVG 16V M
C127	0CE475SK6DC	4.7UF MVG 50V 20%	C1427	0CH2103K516	10000P 50V K B
C1271	0CH2103K516	10000P 50V K B	C207	0CH2103K516	10000P 50V K B
C1273	0CE476SF6DC	47UF MVG 16V M	C208	0CE106SF6DC	10UF MVG 16V 20%
C1274	0CE107SF6DC	100UF MVG 16V M	C209	0CE477SF6DC	470UF MVG 16V 20%
C1275	0CE107SF6DC	100UF MVG 16V M	C210	0CE106SF6DC	10UF MVG 16V 20%
C1277	0CH2103K516	10000P 50V K B	C212	0CH2103K516	10000P 50V K B
C1279	0CE107SF6DC	100UF MVG 16V M	C217	0CH2103K516	10000P 50V K B
C1304	0CH2103K516	10000P 50V K B	C222	0CE476XFKDC	47UF MVK BP,CN 16V 20%, 20%
C1305	0CE107SF6DC	100UF MVG 16V M	C222	0CE476SF6DC	47UF MVG 16V M
C1310	0CH2103K516	10000P 50V K B	C223	0CE476XFKDC	47UF MVK BP,CN 16V 20%, 20%
C1311	0CH2103K516	10000P 50V K B	C223	0CE476SF6DC	47UF MVG 16V M
C1313	0CH2103K516	10000P 50V K B	C224	0CE476XFKDC	47UF MVK BP,CN 16V 20%, 20%
C1314	0CE476SF6DC	47UF MVG 16V M	C224	0CE476SF6DC	47UF MVG 16V M
C1315	0CE107SF6DC	100UF MVG 16V M	C227	0CH2103K516	10000P 50V K B
C1317	0CE107SF6DC	100UF MVG 16V M	C228	0CH2103K516	10000P 50V K B
C1331	0CE477SF6DC	470UF MVG 16V 20%	C229	0CH2103K516	10000P 50V K B
C1333	0CE477SF6DC	470UF MVG 16V 20%	C230	0CE107SF6DC	100UF MVG 16V M
C1340	0CH2103K516	10000P 50V K B	C251	0CE106SF6DC	10UF MVG 16V 20%
C1341	0CH2103K516	10000P 50V K B	C253	0CH2103K516	10000P 50V K B
C1342	0CH2103K516	10000P 50V K B	C254	0CN105EJ56A	1.0UF 3216 35V 10%
C1343	0CH2103K516	10000P 50V K B	C256	0CH2103K516	10000P 50V K B
C1344	0CH2103K516	10000P 50V K B	C258	0CE476SF6DC	47UF MVG 16V M
C1345	0CH2103K516	10000P 50V K B	C259	0CH2103K516	10000P 50V K B
C1353	0CE477SF6DC	470UF MVG 16V 20%	C260	0CH2103K516	10000P 50V K B
C1355	0CE477SF6DC	470UF MVG 16V 20%	C261	0CE476SF6DC	47UF MVG 16V M
C1359	0CH2103K516	10000P 50V K B	C262	0CH2103K516	10000P 50V K B
C1362	0CE107SF6DC	100UF MVG 16V M	C263	0CE476SF6DC	47UF MVG 16V M
C1366	0CE227VF6DC	220UF MV 16V 20%	C270	0CH2103K516	10000P 50V K B
C1368	0CE227VF6DC	220UF MV 16V 20%	C271	0CH2103K516	10000P 50V K B
C1371	0CH2103K516	10000P 50V K B	C272	0CE107SF6DC	100UF MVG 16V M
C1372	0CH2103K516	10000P 50V K B	C274	0CE107SF6DC	100UF MVG 16V M
C1373	0CE107SF6DC	100UF MVG 16V M	C276	0CE107SF6DC	100UF MVG 16V M
C1374	0CE476SF6DC	47UF MVG 16V M	C284	0CH2103K516	10000P 50V K B
C1384	0CE476SF6DC	47UF MVG 16V M	C285	0CH2103K516	10000P 50V K B
C1388	0CE476SF6DC	47UF MVG 16V M	C286	0CH2103K516	10000P 50V K B
C1390	0CH2103K516	10000P 50V K B	C288	0CE106SF6DC	10UF MVG 16V 20%
C1391	0CE477SF6DC	470UF MVG 16V 20%	C289	0CN105EJ56A	1.0UF 3216 35V 10%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C290	0CH2103K516	10000P 50V K B
C292	0CH2103K516	10000P 50V K B
C300	0CE476SF6DC	47UF MVG 16V M
C301	0CE476SF6DC	47UF MVG 16V M
C303	0CE476SF6DC	47UF MVG 16V M
C315	0CE476SF6DC	47UF MVG 16V M
C316	0CE476SF6DC	47UF MVG 16V M
C317	0CE476SF6DC	47UF MVG 16V M
C322	0CE476SF6DC	47UF MVG 16V M
C324	0CE476SF6DC	47UF MVG 16V M
C334	0CE476SF6DC	47UF MVG 16V M
C335	0CE476SF6DC	47UF MVG 16V M
C400	0CE227VF6DC	220UF MV 16V 20%
C401	0CE476SF6DC	47UF MVG 16V M
C402	0CE107SF6DC	100UF MVG 16V M
C404	0CE227VF6DC	220UF MV 16V 20%
C406	0CE476SF6DC	47UF MVG 16V M
C409	0CH2103K516	10000P 50V K B
C410	0CE107SF6DC	100UF MVG 16V M
C423	0CE105SK6DC	1UF MVG 50V M
C424	0CH2103K516	10000P 50V K B
C429	0CE107SF6DC	100UF MVG 16V M
C435	0CE107SF6DC	100UF MVG 16V M
C440	0CE106SF6DC	10UF MVG 16V 20%
C442	0CE106SF6DC	10UF MVG 16V 20%
C508	0CN105EJ56A	1.0UF 3216 35V 10%
C520	0CE476SF6DC	47UF MVG 16V M
C524	0CE476SF6DC	47UF MVG 16V M
C526	0CE107SF6DC	100UF MVG 16V M
C601	0CE107SF6DC	100UF MVG 16V M
C605	0CE476SF6DC	47UF MVG 16V M
C607	0CE476SF6DC	47UF MVG 16V M
C608	0CE476SF6DC	47UF MVG 16V M
C611	0CE476SF6DC	47UF MVG 16V M
C612	0CE476SF6DC	47UF MVG 16V M
C614	0CE476SF6DC	47UF MVG 16V M
C626	0CE107SF6DC	100UF MVG 16V M
C627	0CE107SF6DC	100UF MVG 16V M
C632	0CE107SF6DC	100UF MVG 16V M
C634	0CE106SF6DC	10UF MVG 16V 20%
C637	0CE106SF6DC	10UF MVG 16V 20%
C651	0CE106SF6DC	10UF MVG 16V 20%
C671	0CE106SF6DC	10UF MVG 16V 20%
C672	0CE106SF6DC	10UF MVG 16V 20%
C673	0CE106SF6DC	10UF MVG 16V 20%
C674	0CE106SF6DC	10UF MVG 16V 20%
C702	0CE107SF6DC	100UF MVG 16V M
C703	0CE226SF6DC	22UF MVG 16V 20%
C710	0CE106SF6DC	10UF MVG 16V 20%
C713	0CE106SF6DC	10UF MVG 16V 20%
C720	0CE226SF6DC	22UF MVG 16V 20%

LOCA. NO	PART NO	DESCRIPTION
C723	0CE226SF6DC	22UF MVG 16V 20%
C727	0CE106SF6DC	10UF MVG 16V 20%
C737	0CE226SF6DC	22UF MVG 16V 20%
C744	0CE226SF6DC	22UF MVG 16V 20%
C752	0CE226SF6DC	22UF MVG 16V 20%
C757	0CE226SF6DC	22UF MVG 16V 20%
C762	0CE226SF6DC	22UF MVG 16V 20%
C769	0CE226SF6DC	22UF MVG 16V 20%
C777	0CE226SF6DC	22UF MVG 16V 20%
C778	0CE226SF6DC	22UF MVG 16V 20%
C785	0CE335SK6DC	3.3UF MVG 50V 20%
C800	0CE226SF6DC	22UF MVG 16V 20%
C801	0CE226SF6DC	22UF MVG 16V 20%
C802	0CE476SF6DC	47UF MVG 16V M
C803	0CE226VF6DC	22UF MV 16V 20%
C812	0CE226VF6DC	22UF MV 16V 20%
C817	0CE226SF6DC	22UF MVG 16V 20%
C821	0CH2103K516	10000P 50V K B
C822	0CE107SF6DC	100UF MVG 16V M
C825	0CE335SK6DC	3.3UF MVG 50V 20%
C827	0CE107SF6DC	100UF MVG 16V M
C828	0CE106SF6DC	10UF MVG 16V 20%
C829	0CE106SF6DC	10UF MVG 16V 20%
C834	0CE107SF6DC	100UF MVG 16V M
C834	0CE106SF6DC	10UF MVG 16V 20%
C837	0CE106SF6DC	10UF MVG 16V 20%
C840	0CE106SF6DC	10UF MVG 16V 20%
C841	0CE107SF6DC	100UF MVG 16V M
C847	0CN105EJ56A	1.0UF 3216 35V 10%
C851	0CE108DH618	1000UF STD 25V M
C852	0CE108DH618	1000UF STD 25V M
C862	0CF4741L438	0.47UF D 63V 5%
C863	0CF4741L438	0.47UF D 63V 5%
C872	0CE335SK6DC	3.3UF MVG 50V 20%
C873	0CN105EJ56A	1.0UF 3216 35V 10%
C874	0CE108DH618	1000UF STD 25V M
R112	0CH3104K566	0.1UF 50V 10%
R113	0CH3104K566	0.1UF 50V 10%
JACK		
JK103	6613V00026A	JACK ASSEMBLY,UJB 03 28A
JK200	6612VJH020B	JACK,RCA PPJ122B 6P
JK201	6612VJH020C	JACK,RCA PPJ122C 6P
JK202	6612VJH019B	JACK,RCA PPJ121B 4P
P101	380-068E	JACK,PHONE UEJ CV 018
P102	6612BBBHN6A	JACK,DIN 440062
P200	380-363G	JACK,DIN 6046B 01S
P201	380-068E	JACK,PHONE UEJ CV 018
COIL		
L1004	6140VB0004B	COIL,CHOKE 26UH

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
L1005	6140VB0004B	COIL,CHOKE 26UH
L1006	6140VB0004B	COIL,CHOKE 26UH
L1007	6140VB0004B	COIL,CHOKE 26UH
L1200	6140VB0004B	COIL,CHOKE 26UH
L1203	6140VB0004B	COIL,CHOKE 26UH
L1209	6140VB0004B	COIL,CHOKE 26UH
L1213	6140VB0004B	COIL,CHOKE 26UH
L803	6140VB0022A	COIL,CHOKE CPS 0810 GET 22UH
L804	6140VB0022A	COIL,CHOKE CPS 0810 GET 22UH
L805	6140VB0022A	COIL,CHOKE CPS 0810 GET 22UH
L806	6140VB0022A	COIL,CHOKE CPS 0810 GET 22UH
RESISTOR		
AR1101	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1102	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1103	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1104	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1105	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1106	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR500	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR503	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR507	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR508	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR509	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR512	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR513	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR520	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR521	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR522	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR523	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR524	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR525	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR600	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR600	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR604	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR605	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR606	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR607	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR608	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR609	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR610	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR611	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR612	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR613	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR614	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

LOCA. NO	PART NO	DESCRIPTION
AR615	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR616	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR617	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR618	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR700	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR702	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR703	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR707	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR708	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR709	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR710	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR711	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR712	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR713	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR714	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR715	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR717	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR718	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR719	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
R801	0RKZVTA001L	1.0M OHM 1/2 W 5%
R802	0RKZVTA001L	1.0M OHM 1/2 W 5%
SWITCH		
SW001	140-315A	SWITCH,TACT SKHV17910B 12V
SW002	140-315A	SWITCH,TACT SKHV17910B 12V
SW003	140-315A	SWITCH,TACT SKHV17910B 12V
SW004	140-315A	SWITCH,TACT SKHV17910B 12V
SW005	140-315A	SWITCH,TACT SKHV17910B 12V
SW006	140-315A	SWITCH,TACT SKHV17910B 12V
SW700	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SW800	6600VM2006A	SWITCH,PUSH SDDF3PATP011
SW800	140-275A	SWITCH,PUSH JDPB21SA 30V 0.3A
FILTER & CRYSTAL		
L100	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L100	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1000	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1002	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1008	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1009	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1010	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1011	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1012	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1013	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1014	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1015	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1016	6210VC0006A	FILTER,EMC FBMH3216 HM501NT

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L1017	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1018	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L205	6210VC0005A	FILTER,EMC BK2125 HS 750
L1019	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L206	6210VC0005A	FILTER,EMC BK2125 HS 750
L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L207	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1020	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L207	6210VC0005A	FILTER,EMC BK2125 HS 750
L1021	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L208	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L103	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L208	6210VC0005A	FILTER,EMC BK2125 HS 750
L103	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L209	6210VC0005A	FILTER,EMC BK2125 HS 750
L104	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L210	6200JB8010L	FILTER,EMC MLB 201209 1000L
L105	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L211	6200JB8010L	FILTER,EMC MLB 201209 1000L
L105	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L212	6200JB8010L	FILTER,EMC MLB 201209 1000L
L106	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L213	6200JB8010L	FILTER,EMC MLB 201209 1000L
L107	6200JB8010L	FILTER,EMC MLB 201209 1000L	L214	6200JB8010L	FILTER,EMC MLB 201209 1000L
L108	6200JB8010L	FILTER,EMC MLB 201209 1000L	L214	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L215	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L215	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1207	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L216	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1210	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L216	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1211	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L217	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1216	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L300	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1217	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L301	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1300	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L302	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1302	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L303	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1307	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L304	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1310	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L305	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1311	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L400	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1312	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L400	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1313	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L401	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1314	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L401	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1315	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L402	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1316	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L403	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1317	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L404	6210VC0005A	FILTER,EMC BK2125 HS 750
L1318	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L405	6210VC0005A	FILTER,EMC BK2125 HS 750
L1321	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L406	6210VC0005A	FILTER,EMC BK2125 HS 750
L1322	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L502	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1325	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L503	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1326	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L609	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1327	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L610	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1328	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L700	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1329	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L800	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1330	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L807	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1331	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	L808	6200JB8010L	FILTER,EMC MLB 201209 1000L
L1332	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	LT1100	6200C000010	FILTER,B.P. H354LAI K5202
L1333	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	LT1101	6200C000010	FILTER,B.P. H354LAI K5202
L200	6200JB8013L	FILTER,EMC 60 OHM TB201209U060	LT1102	6200C000009	FILTER,B.P. H354LAI K5225
L201	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	LT1103	6200C000009	FILTER,B.P. H354LAI K5225
L202	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R102	6200JB8010L	FILTER,EMC MLB 201209 1000L
L203	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R103	6200JB8010L	FILTER,EMC MLB 201209 1000L
L204	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	R106	6200JB8010L	FILTER,EMC MLB 201209 1000L
L204	6210VC0005A	FILTER,EMC BK2125 HS 750	R107	6200JB8010L	FILTER,EMC MLB 201209 1000L

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R108	6200JB8010L	FILTER,EMC MLB 201209 1000L
X1100	6212AB2015B	RESONATOR,CRYSTAL HC 49/SM5H 20MHZ
X500	6202VDT002D	RESONATOR,CRYSTAL SX 1SMD 8.0MHZ
X600	6202VDT002J	RESONATOR,CRYSTAL SX 1 13.500000MHZ
X600	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ
X700	6202VDT002B	RESONATOR,CRYSTAL SX 1 SC14.3MHZ
X700	6202VDB007B	RESONATOR,CRYSTAL HC49U 20.250MHZ
X800	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ

MISCELLANEOUS

F801	0FS1002B53K	FUSE,SLOW BLOW 10000MA 250V
F801A	430-813A	HOLDER,FUSE NON MC994C PAPIING
F802A	430-813A	HOLDER,FUSE NON MC994C PAPIING
P100	6630VGA001C	CONNECTOR,D SUB 15PIN 2.29MM
P200	6630VGA004B	CONNECTOR,D SUB 9P 2.77MM
PA001	6712000002B	REMOTE CONTROLLER RECEIVER,38KHZ
TU100	6700NF0010A	TUNER,TAUM H501P
TU101	6700NF0010B	TUNER,TAFM H502P

ACCESSORIES

A1	3828VA0470D	MANUAL,OWNERS RF043A
"	3828VA0470A	MANUAL,OWNERS *LGEUS
A2	6710V00126S	REMOTE CONTROLLER,RF043A PIP
A3	6410VUH005A	POWER CORD,PS204 125V/13A 2800MM
A4	6850J00002B	CABLE,DVI D TO DVI D UL20276
A5	6850J00004A	CABLE,DVI LVDS UL20276 AWG30 500MM
A6	6866VA9001B	CONNECTOR ,D SUB 2990 9C UL 1161
A7	4810V00509A	BRACKET,WALL

LOCA. NO	PART NO	DESCRIPTION



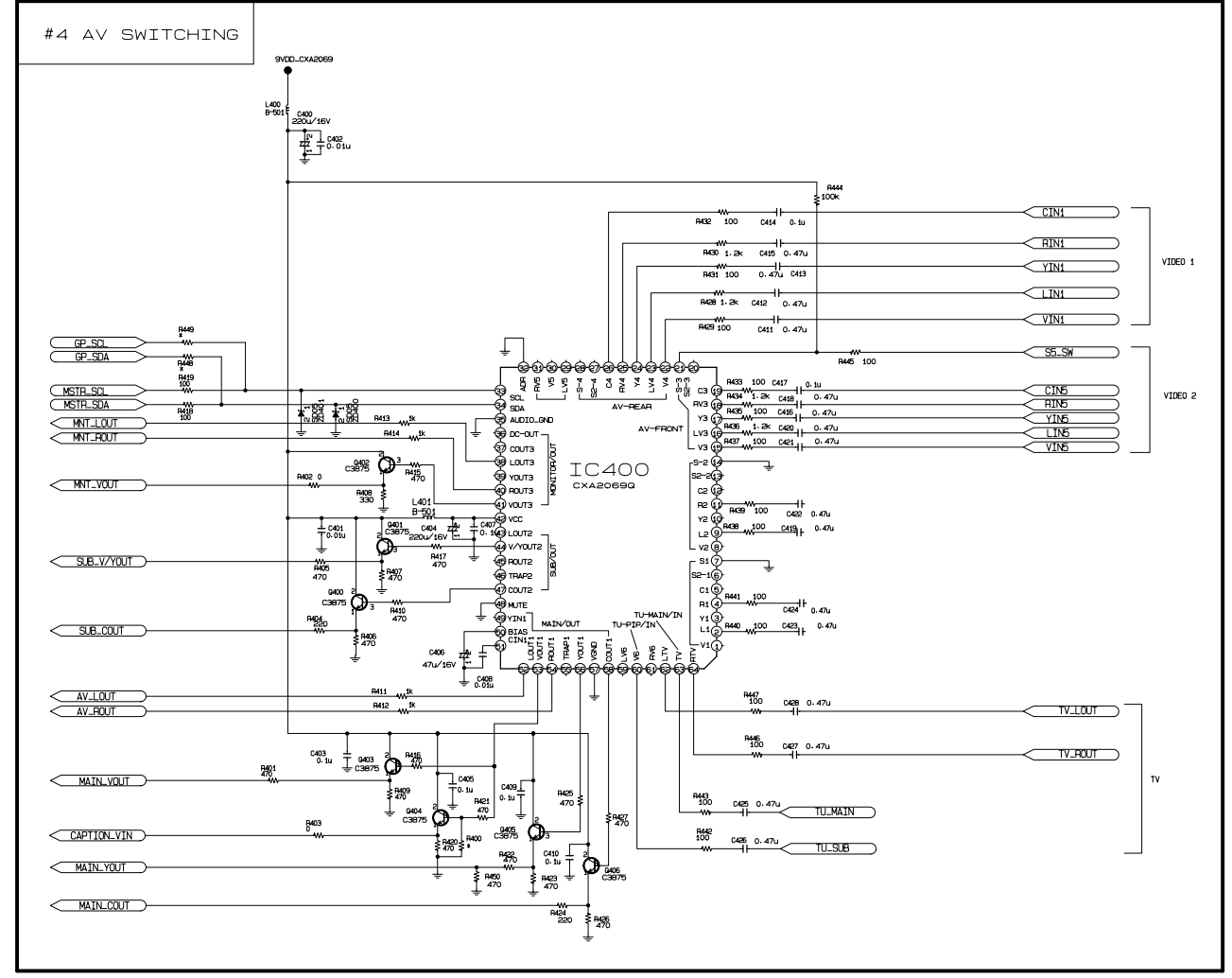
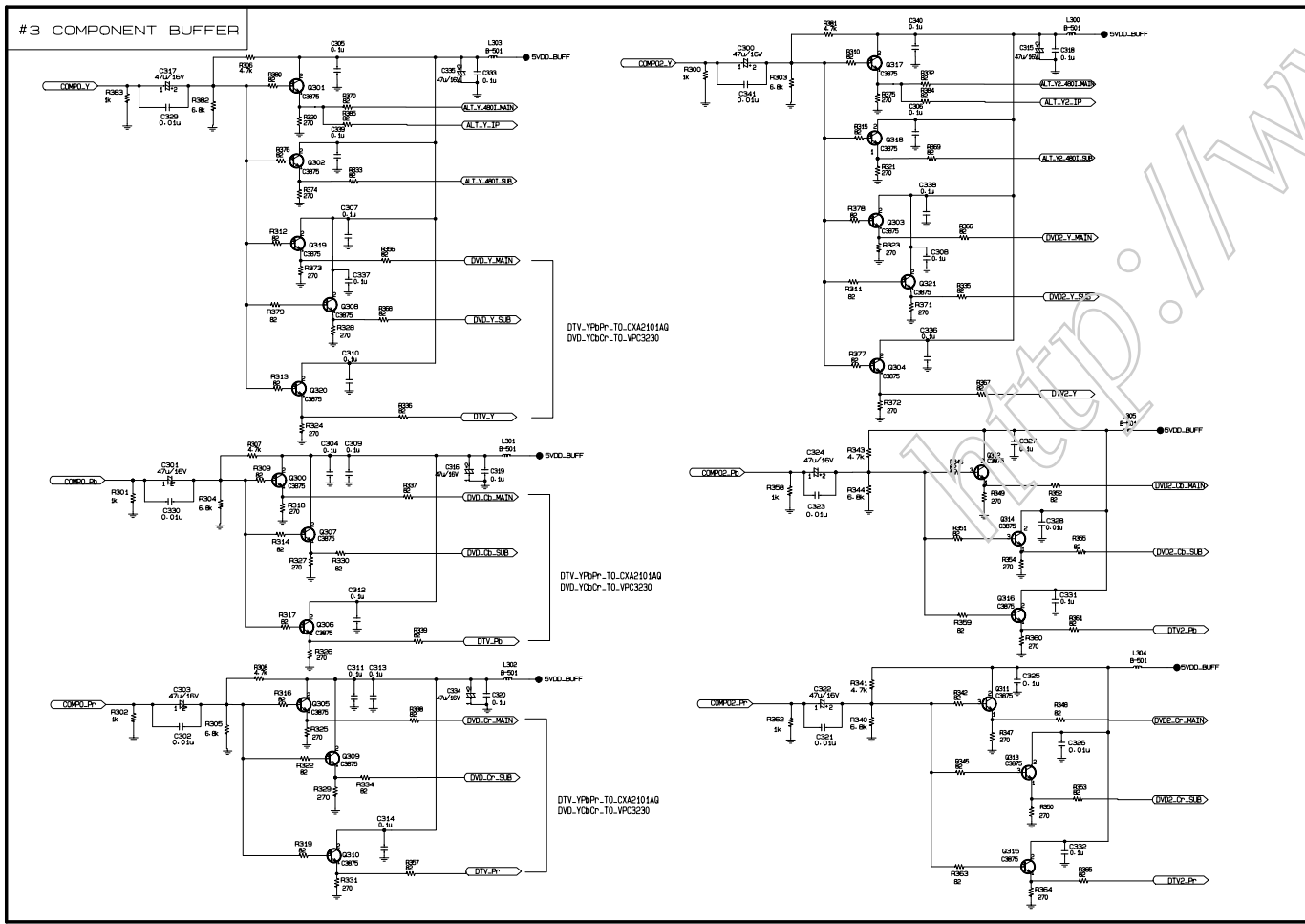
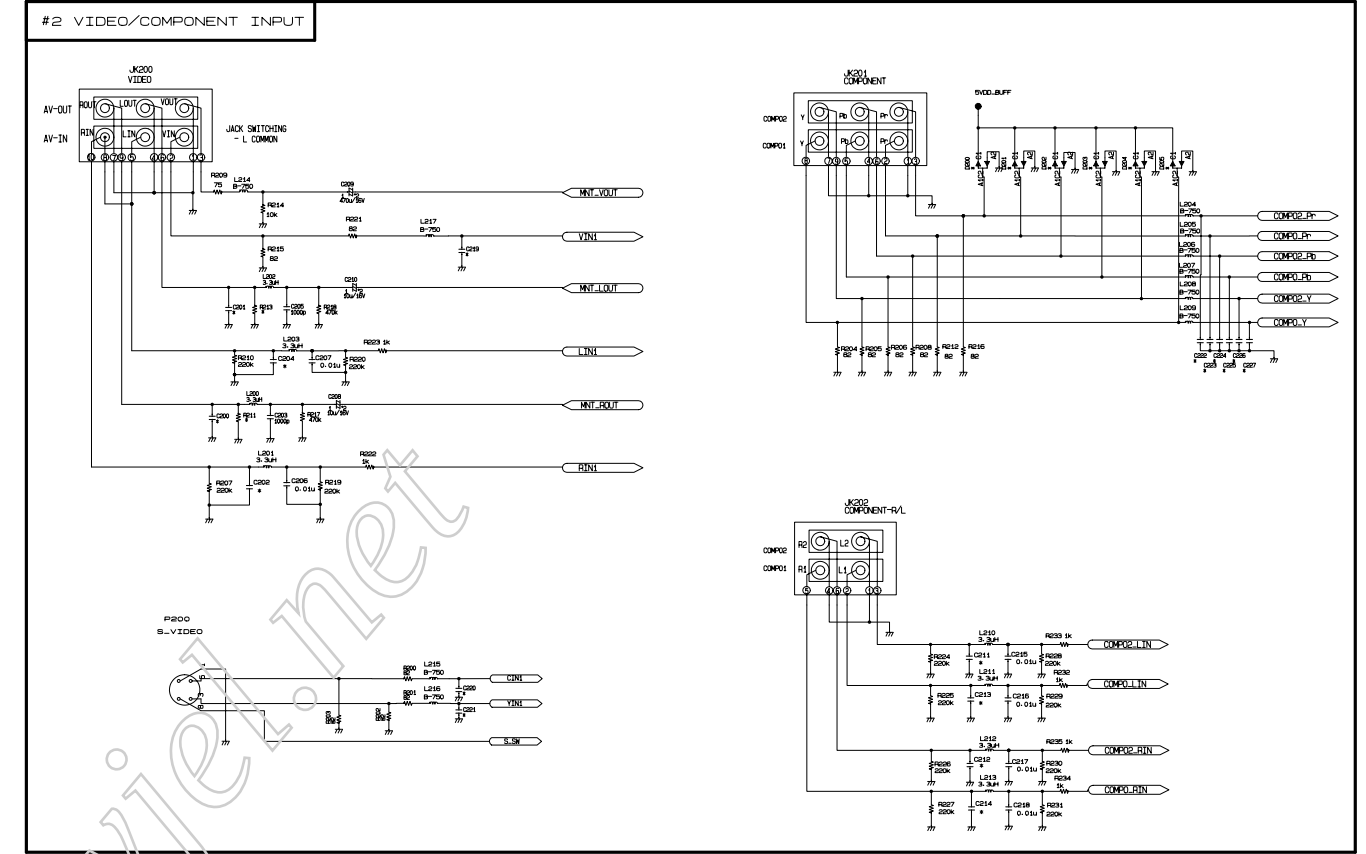
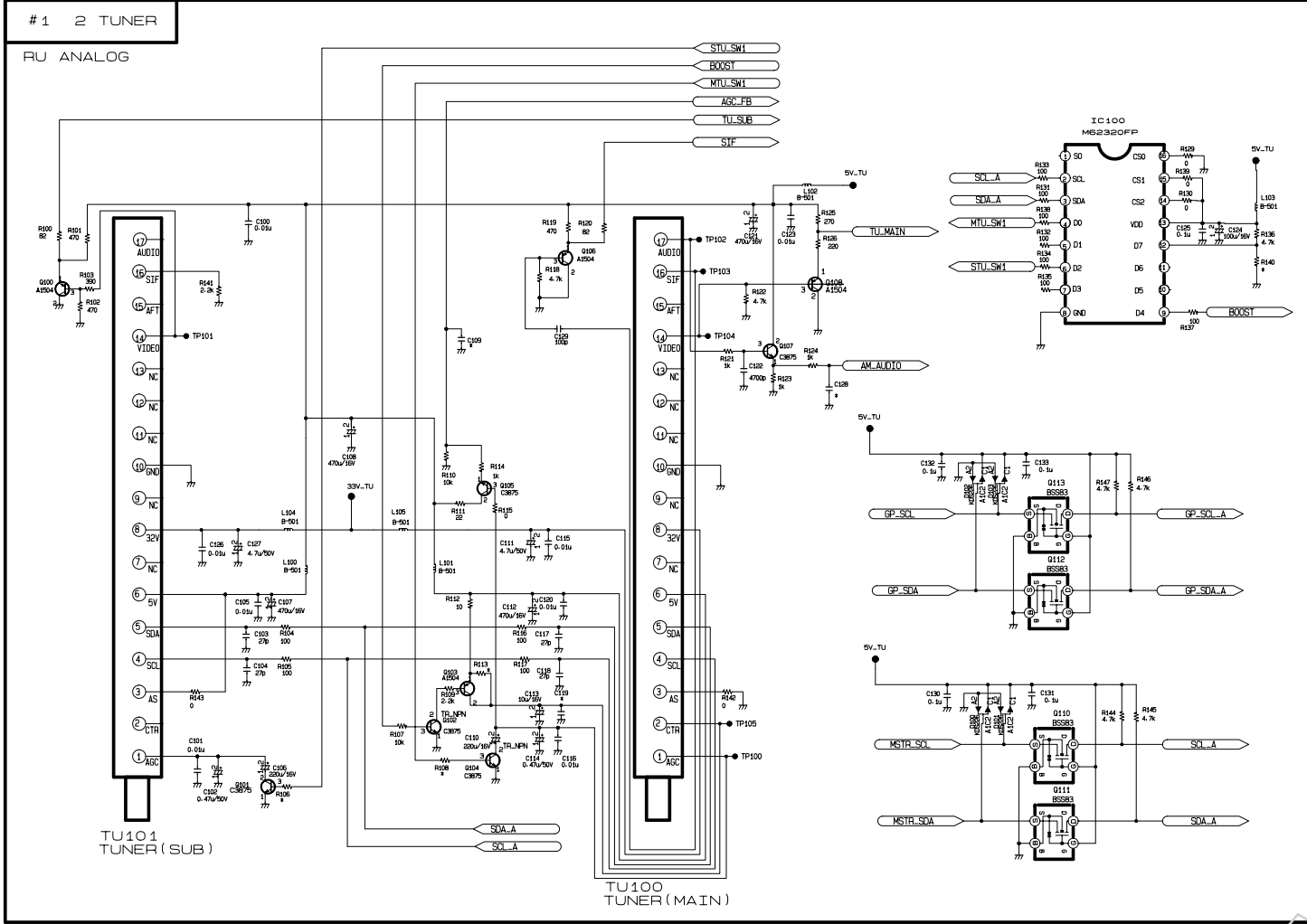
LG Electronics Inc.

P/NO : 3828VD0179D

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Huntsville, AL 35824**



The schematic diagram illustrates the internal circuitry of a Caption Decoder. It features two primary integrated circuits: IC500 (M37136) and IC501 (74HC10B).

IC500 (M37136) Pin Connections:

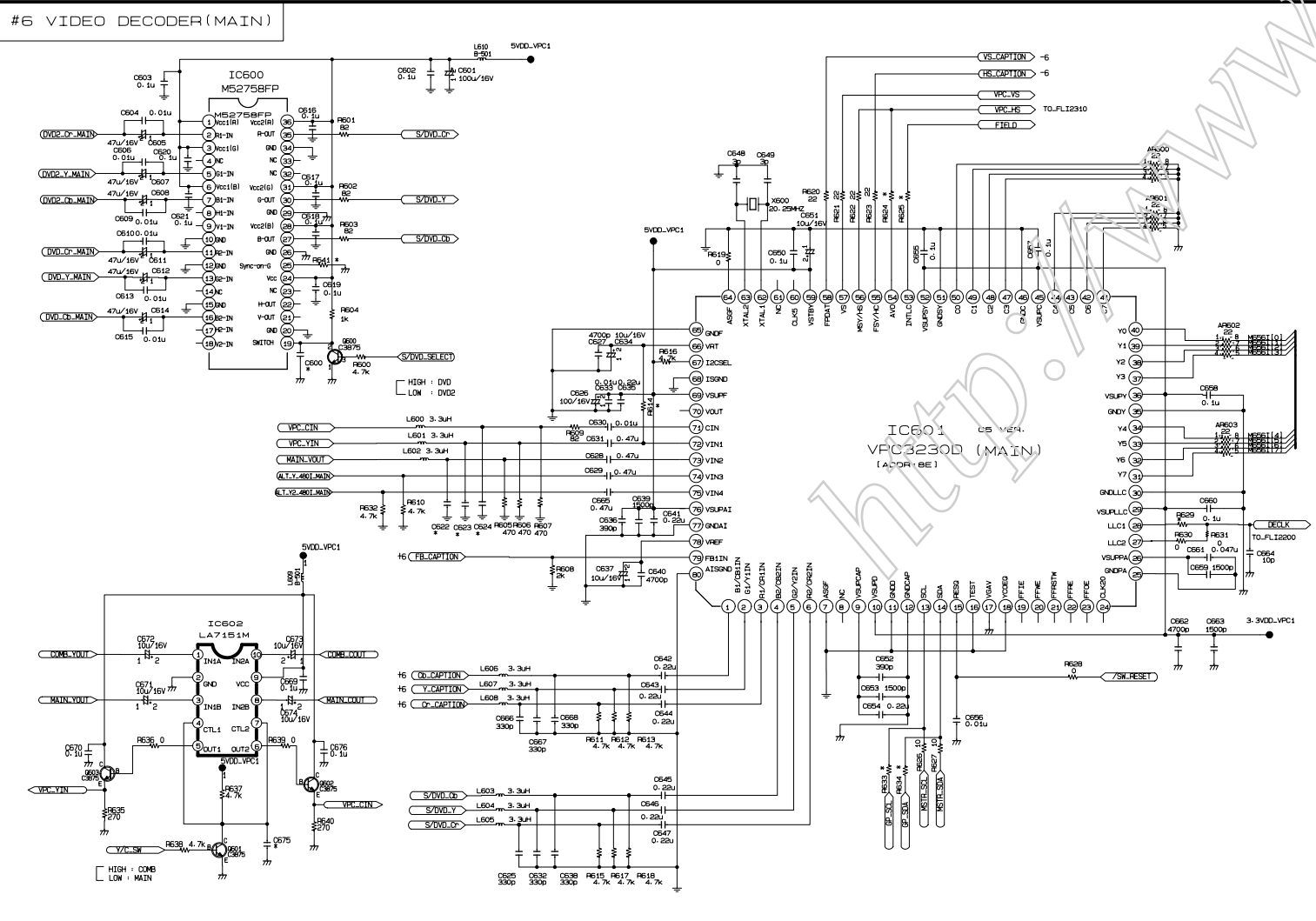
- Pin 1:** P11/SOL.1
- Pin 2:** P12/SOL.1
- Pin 3:** P13/SOL.2
- Pin 4:** P14/SOL.2
- Pin 5:** P20/301K
- Pin 6:** P21/301K
- Pin 7:** P22/Sin
- Pin 8:** P25
- Pin 9:** P26
- Pin 10:** P64
- Pin 11:** CNVSS
- Pin 12:** P10/OUT1
- Pin 13:** P55/OUT1
- Pin 14:** P53/G
- Pin 15:** P52/R
- Pin 16:** VCC
- Pin 17:** GND/VSS1
- Pin 18:** P16/AD2
- Pin 19:** P17/AD3
- Pin 20:** P32/AD4
- Pin 21:** P50/1ync
- Pin 22:** P51/1ync
- Pin 23:** P30/AD5
- Pin 24:** P31/AD6
- Pin 25:** P06/INT2
- Pin 26:** P07/INT1
- Pin 27:** P23/TMG
- Pin 28:** P24/TMG

IC501 (74HC10B) Pin Connections:

- Pin 1:** VCC
- Pin 2:** B4
- Pin 3:** B1
- Pin 4:** Y1
- Pin 5:** A2
- Pin 6:** B3
- Pin 7:** B2
- Pin 8:** Y2
- Pin 9:** GND
- Pin 10:** Y3
- Pin 11:** LND. RATE

Other Components and Connections:

- Resistors:** Various resistors are used for pull-up and pull-down, including R502, R501, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882, R883, R884, R885, R886, R887, R888, R889, R890, R891, R892, R893, R894, R895, R896, R897, R898, R899, R900, R901, R902, R903, R904, R905, R906, R907, R908, R909, R910, R911, R912, R913, R914, R915, R916, R917, R918, R919, R920, R921, R922, R923, R924, R925, R926, R927, R928, R929, R930, R931, R932, R933, R934, R935, R936, R937, R938, R939, R940, R941, R942, R943, R944, R945, R946, R947, R948, R949, R950, R951, R952, R953, R954, R955, R956, R957, R958, R959, R960, R961, R962, R963, R964, R965, R966, R967, R968, R969, R970, R971, R972, R973, R974, R975, R976, R977, R978, R979, R980, R981, R982, R983, R984, R985, R986, R987, R988, R989, R990, R991, R992, R993, R994, R995, R996, R997, R998, R999, R1000.
- Capacitors:** Various capacitors are used for timing and decoupling, including C502, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559, C560, C561, C562, C563, C564, C565, C566, C567, C568, C569, C570, C571, C572, C573, C574, C575, C576, C577, C578, C579, C580, C581, C582, C583, C584, C585, C586, C587, C588, C589, C590, C591, C592, C593, C594, C595, C596, C597, C598, C599, C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625,

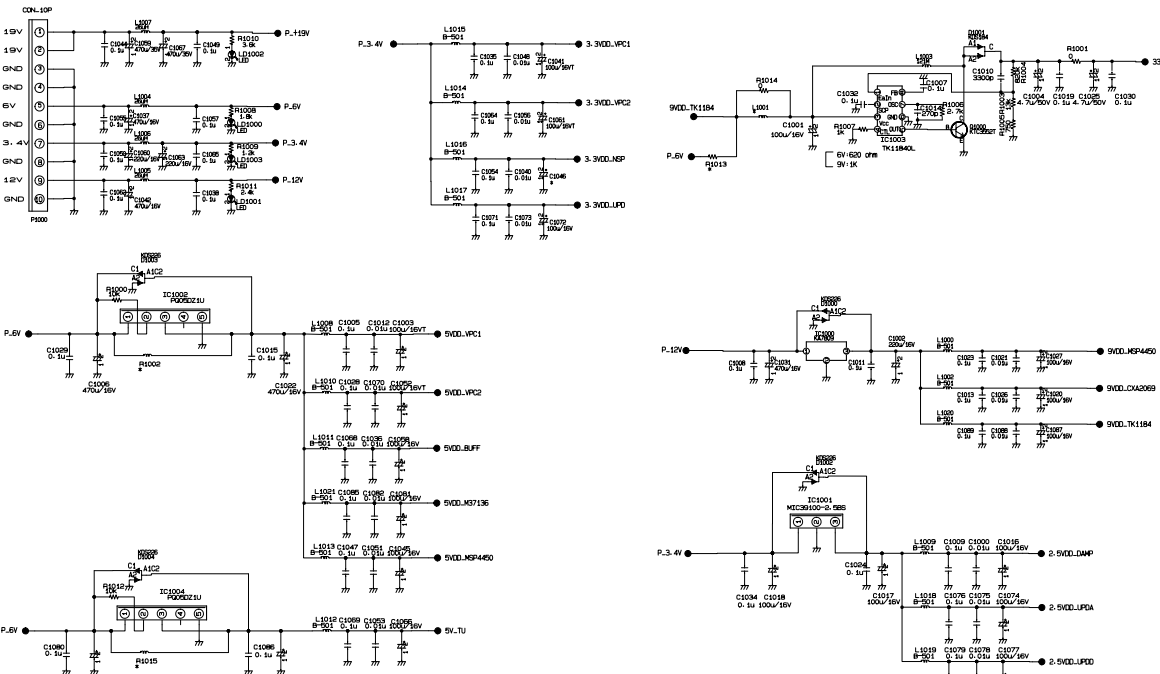


IC700 CS VER.
VPC3230D (SUB)
(ADDR. BC)

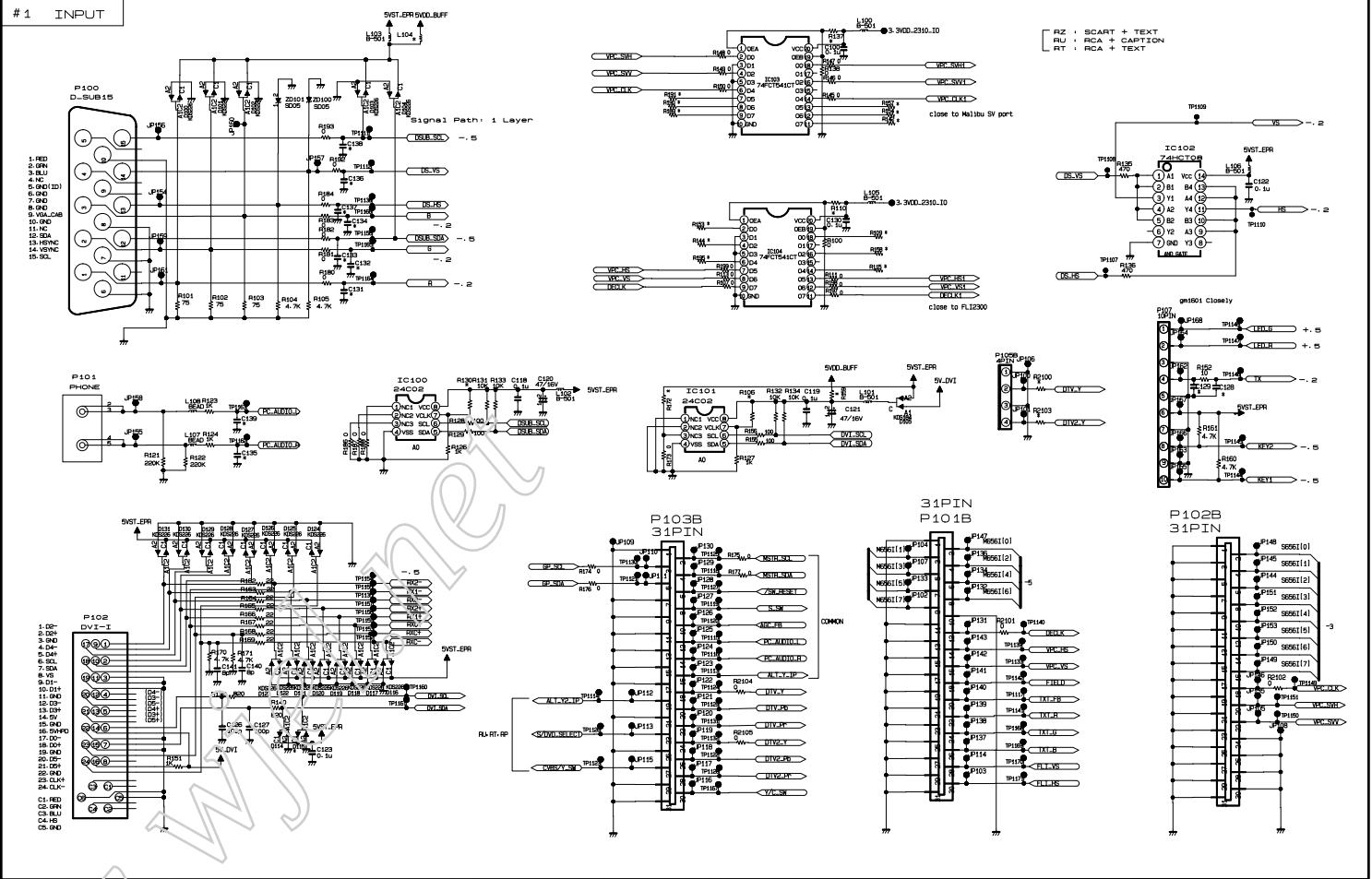
VHS-SPH
VPC-SPH TO_FL12300

Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7 Y8 Y9 Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17 Y18 Y19 Y20 Y21 Y22 Y23 Y24 Y25 Y26 Y27 Y28 Y29 Y30 Y31 Y32 Y33 Y34 Y35 Y36 Y37 Y38 Y39 Y40 Y41 Y42 Y43 Y44 Y45 Y46 Y47 Y48 Y49 Y50 Y51 Y52 Y53 Y54 Y55 Y56 Y57 Y58 Y59 Y60 Y61 Y62 Y63 Y64 Y65 Y66 Y67 Y68 Y69 Y70 Y71 Y72 Y73 Y74 Y75 Y76 Y77 Y78 Y79 Y80 Y81 Y82 Y83 Y84 Y85 Y86 Y87 Y88 Y89 Y90 Y91 Y92 Y93 Y94 Y95 Y96 Y97 Y98 Y99 Y100 Y101 Y102 Y103 Y104 Y105 Y106 Y107 Y108 Y109 Y110 Y111 Y112 Y113 Y114 Y115 Y116 Y117 Y118 Y119 Y120 Y121 Y122 Y123 Y124 Y125 Y126 Y127 Y128 Y129 Y130 Y131 Y132 Y133 Y134 Y135 Y136 Y137 Y138 Y139 Y140 Y141 Y142 Y143 Y144 Y145 Y146 Y147 Y148 Y149 Y150 Y151 Y152 Y153 Y154 Y155 Y156 Y157 Y158 Y159 Y160 Y161 Y162 Y163 Y164 Y165 Y166 Y167 Y168 Y169 Y170 Y171 Y172 Y173 Y174 Y175 Y176 Y177 Y178 Y179 Y180 Y181 Y182 Y183 Y184 Y185 Y186 Y187 Y188 Y189 Y190 Y191 Y192 Y193 Y194 Y195 Y196 Y197 Y198 Y199 Y200 Y201 Y202 Y203 Y204 Y205 Y206 Y207 Y208 Y209 Y210 Y211 Y212 Y213 Y214 Y215 Y216 Y217 Y218 Y219 Y220 Y221 Y222 Y223 Y224 Y225 Y226 Y227 Y228 Y229 Y230 Y231 Y232 Y233 Y234 Y235 Y236 Y237 Y238 Y239 Y240 Y241 Y242 Y243 Y244 Y245 Y246 Y247 Y248 Y249 Y250 Y251 Y252 Y253 Y254 Y255 Y256 Y257 Y258 Y259 Y260 Y261 Y262 Y263 Y264 Y265 Y266 Y267 Y268 Y269 Y270 Y271 Y272 Y273 Y274 Y275 Y276 Y277 Y278 Y279 Y280 Y281 Y282 Y283 Y284 Y285 Y286 Y287 Y288 Y289 Y290 Y291 Y292 Y293 Y294 Y295 Y296 Y297 Y298 Y299 Y300 Y301 Y302 Y303 Y304 Y305 Y306 Y307 Y308 Y309 Y310 Y311 Y312 Y313 Y314 Y315 Y316 Y317 Y318 Y319 Y320 Y321 Y322 Y323 Y324 Y325 Y326 Y327 Y328 Y329 Y330 Y331 Y332 Y333 Y334 Y335 Y336 Y337 Y338 Y339 Y340 Y341 Y342 Y343 Y344 Y345 Y346 Y347 Y348 Y349 Y350 Y351 Y352 Y353 Y354 Y355 Y356 Y357 Y358 Y359 Y360 Y361 Y362 Y363 Y364 Y365 Y366 Y367 Y368 Y369 Y370 Y371 Y372 Y373 Y374 Y375 Y376 Y377 Y378 Y379 Y380 Y381 Y382 Y383 Y384 Y385 Y386 Y387 Y388 Y389 Y390 Y391 Y392 Y393 Y394 Y395 Y396 Y397 Y398 Y399 Y400 Y401 Y402 Y403 Y404 Y405 Y406 Y407 Y408 Y409 Y410 Y411 Y412 Y413 Y414 Y415 Y416 Y417 Y418 Y419 Y420 Y421 Y422 Y423 Y424 Y425 Y426 Y427 Y428 Y429 Y430 Y431 Y432 Y433 Y434 Y435 Y436 Y437 Y438 Y439 Y440 Y441 Y442 Y443 Y444 Y445 Y446 Y447 Y448 Y449 Y450 Y451 Y452 Y453 Y454 Y455 Y456 Y457 Y458 Y459 Y460 Y461 Y462 Y463 Y464 Y465 Y466 Y467 Y468 Y469 Y470 Y471 Y472 Y473 Y474 Y475 Y476 Y477 Y478 Y479 Y480 Y481 Y482 Y483 Y484 Y485 Y486 Y487 Y488 Y489 Y490 Y491 Y492 Y493 Y494 Y495 Y496 Y497 Y498 Y499 Y500 Y501 Y502 Y503 Y504 Y505 Y506 Y507 Y508 Y509 Y510 Y511 Y512 Y513 Y514 Y515 Y516 Y517 Y518 Y519 Y520 Y521 Y522 Y523 Y524 Y525 Y526 Y527 Y528 Y529 Y530 Y531 Y532 Y533 Y534 Y535 Y536 Y537 Y538 Y539 Y540 Y541 Y542 Y543 Y544 Y545 Y546 Y547 Y548 Y549 Y550 Y551 Y552 Y553 Y554 Y555 Y556 Y557 Y558 Y559 Y560 Y561 Y562 Y563 Y564 Y565 Y566 Y567 Y568 Y569 Y570 Y571 Y572 Y573 Y574 Y575 Y576 Y577 Y578 Y579 Y580 Y581 Y582 Y583 Y584 Y585 Y586 Y587 Y588 Y589 Y590 Y591 Y592 Y593 Y594 Y595 Y596 Y597 Y598 Y599 Y600 Y601 Y602 Y603 Y604 Y605 Y606 Y607 Y608 Y609 Y610 Y611 Y612 Y613 Y614 Y615 Y616 Y617 Y618 Y619 Y620 Y621 Y622 Y623 Y624 Y625 Y626 Y627 Y628 Y629 Y630 Y631 Y632 Y633 Y634 Y635 Y636 Y637 Y638 Y639 Y640 Y641 Y642 Y643 Y644 Y645 Y646 Y647 Y648 Y649 Y650 Y651 Y652 Y653 Y654 Y655 Y656 Y657 Y658 Y659 Y660 Y661 Y662 Y663 Y664 Y665 Y666 Y667 Y668 Y669 Y670 Y671 Y672 Y673 Y674 Y675 Y676 Y677 Y678 Y679 Y680 Y681 Y682 Y683 Y684 Y685 Y686 Y687 Y688 Y689 Y690 Y691 Y692 Y693 Y694 Y695 Y696 Y697 Y698 Y699 Y700 Y701 Y702 Y703 Y704 Y705 Y706 Y707 Y708 Y709 Y710 Y711 Y712 Y713 Y714 Y715 Y716 Y717 Y718 Y719 Y720 Y721 Y722 Y723 Y724 Y725 Y726 Y727 Y728 Y729 Y730 Y731 Y732 Y733 Y734 Y735 Y736 Y737 Y738 Y739 Y740 Y741 Y742 Y743 Y744 Y745 Y746 Y747 Y748 Y749 Y750 Y751 Y752 Y753 Y754 Y755 Y756 Y757 Y758 Y759 Y760 Y761 Y762 Y763 Y764 Y765 Y766 Y767 Y768 Y769 Y770 Y771 Y772 Y773 Y774 Y775 Y776 Y777 Y778 Y779 Y780 Y781 Y782 Y783 Y784 Y785 Y786 Y787 Y788 Y789 Y790 Y791 Y792 Y793 Y794 Y795 Y796 Y797 Y798 Y799 Y800 Y801 Y802 Y803 Y804 Y805 Y806 Y807 Y808 Y809 Y810 Y811 Y812 Y813 Y814 Y815 Y816 Y817 Y818 Y819 Y820 Y821 Y822 Y823 Y824 Y825 Y826 Y827 Y828 Y829 Y830 Y831 Y832 Y833 Y834 Y835 Y836 Y837 Y838 Y839 Y840 Y841 Y842 Y843 Y844 Y845 Y846 Y847 Y848 Y849 Y850 Y851 Y852 Y853 Y854 Y855 Y856 Y857 Y858 Y859 Y860 Y861 Y862 Y863 Y864 Y865 Y866 Y867 Y868 Y869 Y870 Y871 Y872 Y873 Y874 Y875 Y876 Y877 Y878 Y879 Y880 Y881 Y882 Y883 Y884 Y885 Y886 Y887 Y888 Y889 Y890 Y891 Y892 Y893 Y894 Y895 Y896 Y897 Y898 Y899 Y900 Y901 Y902 Y903 Y904 Y905 Y906 Y907 Y908 Y909 Y910 Y911 Y912 Y913 Y914 Y915 Y916 Y917 Y918 Y919 Y920 Y921 Y922 Y923 Y924 Y925 Y926 Y927 Y928 Y929 Y930 Y931 Y932 Y933 Y934 Y935 Y936 Y937 Y938 Y939 Y940 Y941 Y942 Y943 Y944 Y945 Y946 Y947 Y948 Y949 Y950 Y951 Y952 Y953 Y954 Y955 Y956 Y957 Y958 Y959 Y960 Y961 Y962 Y963 Y964 Y965 Y966 Y967 Y968 Y969 Y970 Y971 Y972 Y973 Y974 Y975 Y976 Y977 Y978 Y979 Y980 Y981 Y982 Y983 Y984 Y985 Y986 Y987 Y988 Y989 Y990 Y991 Y992 Y993 Y994 Y995 Y996 Y997 Y998 Y999

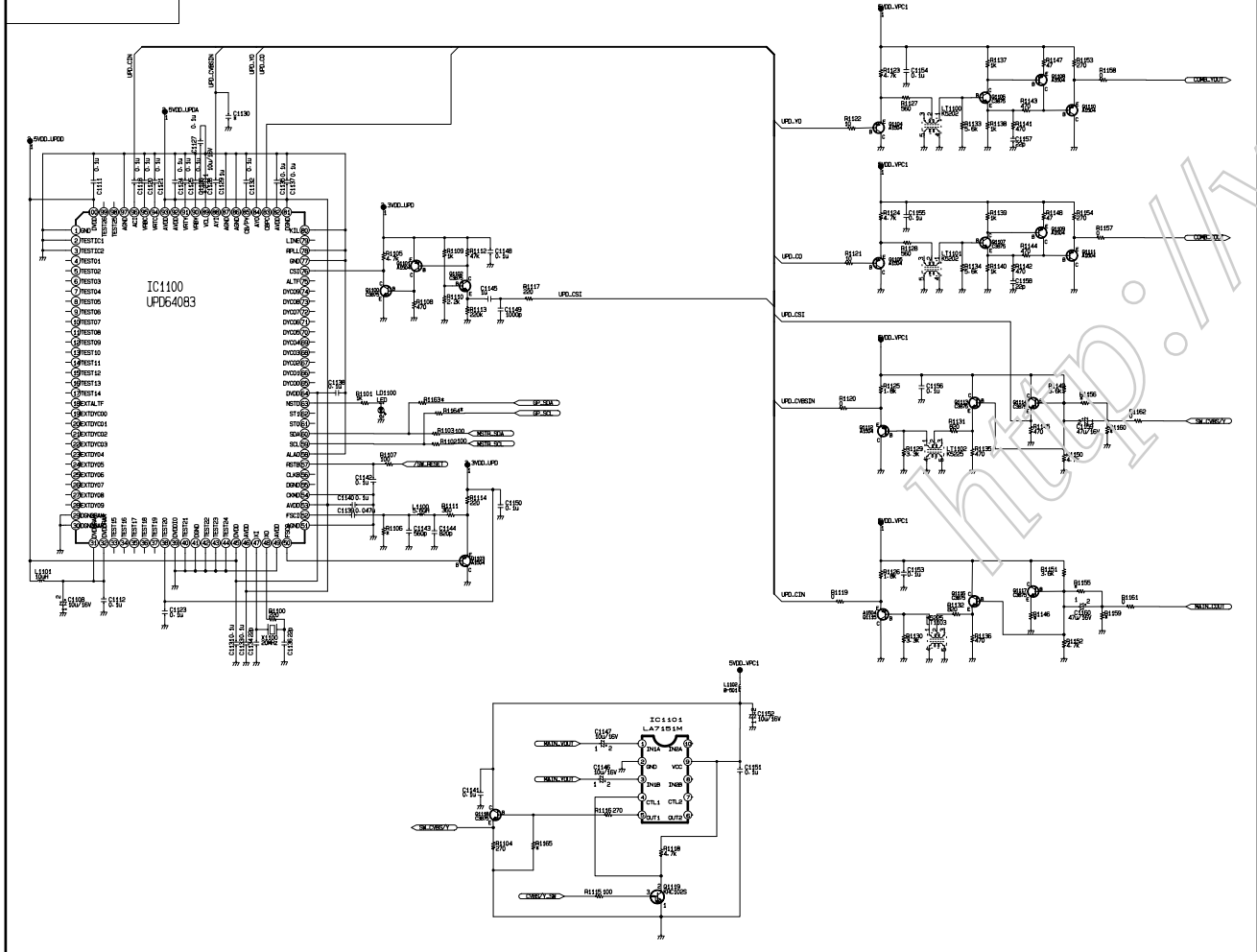
#10 POWER



#1 INPUT



#11 3D_COMBIFILTER



#2 PG5/YfbPr_SWITCH

